

# 2023-2024 COURSE SELECTION GUIDE

## North Nova Education Centre

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*"Together we can make a difference."*

# 2023-2024

## Course Selection Guide

### Table of Contents

General Information .....	page 2
Credits to Graduate .....	page 3
Credit Types, Advanced Placement, French Immersion .....	page 4
Career Exploration Program .....	page 5-6
Co-operative Education .....	page 7
Personal Development Credits .....	page 8-9
Common Pathways.....	page 10-12
Courses for Grade 10 Students .....	page 12-17
Courses for Grade 11 Students .....	page 17-24
Courses for Grade 12 Students .....	page 25-30

# 2023-2024 Course Information

## Message to Students

This booklet contains a listing of possible courses that may be offered at North Nova Education Centre during the 2023-2024 school year. It is necessary for students to register for their courses during the month of March, 2023. The information contained in this booklet will help you to make decisions regarding the courses you should select. It is in your best interest to discuss your selections with your parents/guardians, your guidance counsellor, and your teachers.

## Grade Level Placement

Students who have successfully completed grade 9 will be registered in grade 10. In order to move on to grade 11, students must have earned 2 credits. In order to be enrolled in grade 12, a student must have earned 10 credits.

## Required Course Load

In a semestered school, the year is divided into two equal semesters. The semesters run as follows: first semester is from September to the end of January and second semester is from February to the end of June. Each semester ends with a final examination period. During each semester, students take four courses for a total of eight courses per year.

Grade 10 students must register for **eight** credits; grade 11 students must register for **eight** courses. Students in grade 12 must register for a minimum of **six** courses or **one more** course than required to graduate.

## Planning Your Program

- Prior to completing a course selection form, you should carefully consider your post high school goals and the requirements necessary to achieve them. Select courses and the level of difficulty that will enable you to obtain your goals.
- Plan your program as far as possible into the future. Some subjects have prerequisites. A three-year plan, beginning in grade 10, works best.
- A course listed in this booklet may be cancelled due to insufficient enrolment. Students are required to choose 2 alternate courses to be used in the event that a course does not run or there is a scheduling conflict.
- Care should be taken by students in their choice of courses to ensure that they meet the entrance requirements for post-secondary institutions. If you are unsure, you are encouraged to discuss this with one of the guidance counsellors.

## Changes to Course Selections

- Course selections made in the spring will be considered final. Students must choose carefully and wisely. Do not select a course that you have already earned the credit for. Refer to the Earned Credits sheet that was provided to each student during the selection process to help determine the courses required to graduate.
- There will be **NO COURSE CHANGES** made to a student's schedule once the master schedule for the school is built unless there are extenuating circumstances, such as a grade 12 student requires a specific course to meet graduation requirements or post-secondary admission requirements.
- Also, repeating a failed first semester course in the second semester should not be expected.

# Credits to Graduate

It is ultimately the responsibility of each student to make sure that they take the necessary courses to meet graduation requirements. The following are minimum requirements for graduation and may not be sufficient for a student to meet entrance requirements for some post-secondary institutions or other career paths.

All students require **18** credits to graduate. No more than seven of the 18 credits may be grade 10 credits, and at least five must be grade 12 credits. No student will receive credit for two courses in the same specific subject area at the same grade level. For example, successful completion of English 11 and English Communications 11 will only count as one credit.

The following are compulsory credits for graduation:

## Language, Communication and Expression

- 3 English : Grade 10, 11, 12
- 1 Fine Arts: Visual Arts 10, 11 or 12; Drama 10, 11 or 12; Music 10, 11 or 12; or Dance 11

## Science, Mathematics and Technology

- 3 Mathematics
- 2 Sciences: one from Science 10, Biology, Chemistry or Physics and one other approved Science course
- 1 others from Mathematics, Science or Technology: eligible Technology courses include Communication Technology 11 & 12, Construction Technology 10, Design 11, Film & Video Production 12, Construction Technology 12, Multimedia 12, Audio Recording/Production 12, Business Technology 11, Skilled Trades 10, Construction Trades 11 and Manufacturing Trades 11.

## Social Studies

- 1 Canadian History: Canadian History 11, African Canadian Studies 11 and Mi'kmaq Studies 11
- 1 Global Studies: Global Geography 12, Global History 12, Global Politics 12 or Geographie Planetaire 12

## Physical Education

- 1 Physical Education: Physical Education 10, 11 & 12, Exercise Science 12, Physically Active Living 11, Fitness Leadership 11, Physical Education: Martial Arts 11, Yoga 11 or Dance 11.

## Credit Courses

Courses are identified by course title, grade level, credit type and credit value. A credit is the recognition of the successful completion of a course of work that would normally be completed in a minimum of 110 hours of scheduled time.

## Credit Types

Each course is categorized as one of the following credit types:

**Advanced Placement:** University level courses which cover topics in greater depth and detail than regular high school courses .

**Advanced:** These courses are designed to meet the needs of students who have demonstrated an exceptional degree of academic ability or achievement.

**Academic:** These courses are designed for students who expect to enter college, university, or other post-secondary institutions.

**Open:** Although none of the open courses are designed to meet the specific entrance requirements of any post-secondary institution, individual courses may meet entrance requirements of some institutions.

**Graduation:** These courses are designed for students who wish to obtain a graduation diploma with a view of proceeding to employment or some selected areas of post-secondary study.

## Advanced Placement Courses

AP courses give students the opportunity to take university level courses while still in high school. The courses cover topics in greater depth and detail than regular high school courses. Students will be able to develop skills, such as writing skills, problem solving techniques, and study habits which are expected of university students. Taking AP courses demonstrates maturity, a willingness to push oneself intellectually and a commitment to academic excellence which can help a student stand out in the university admissions process. Each AP course has a corresponding AP exam that schools worldwide administer in May. AP exam grades (if sufficiently high) could earn students credit, placement or both at universities in Canada or around the world. For more information on AP courses, contact Student Services or visit [www.ap.ca](http://www.ap.ca).

## French Immersion Program

Students wishing to obtain the French Immersion certificate need to earn **nine** French Immersion credits over the three years of high school - including French Immersion Language Arts in grades 10, 11 and 12.

Students who choose to pursue the Immersion certificate will most likely follow this path in high school in beginning next year in grade 10:

### Grade 10

French Immersion 10  
Sciences 10  
Art Dramatique 10  
Biologie 11

### Grade 11

French Immersion 11  
Historie du Canada 11  
Biologie 12

### Grade 12

French Immersion 12  
Geographie Panetaire 12

Please note that modifications may be made to this path depending upon enrollment. It is the number of students who are registered in the French Immersion Program at each grade level that determine the courses that we offer each year.

All 9 Immersion courses will be offered to students during their 3 years of high school.



This is a three-year program designed for students who are interested in a program that combines academic courses with occupational skills training and on-the-job experience. Students entering grade 10 are eligible to apply for the Career Exploration Program. Students entering grades 11 & 12 will also be considered.

The following is a list of the shop options. Additional shops may be offered as demand and resources allow. The school reserves the right not to offer a shop/course should unforeseen circumstances arise.

**Automotive:** Auto Systems, Auto Maintenance 11 & 12

**Building Systems:** Building Systems Maintenance, Building Systems Technology 11 & 12

**Food Service:** Food Preparation and Service 10, Dining Guest Services 11 & 12 & Food Science 12

Each of these shops is accompanied by a co-op work placement credit. Students will take part in work experience for a total of four weeks, two weeks in the fall and two weeks in the spring. The co-op work placement must relate closely to the shop course the student is taking.

Students completing this program will graduate with a NS High School Diploma and can go to community college or other suitable post-secondary program or directly to work. After three years in the Career Exploration Program most students will have the following: 12 weeks of Co-op work experience; WHMIS; First Aid; additional certificates such as Fall Arrest & Food Safe Level I; and a resume.

# Career Exploration Program Course Descriptions

## **AUTOMOTIVE**

AUTO SYSTEMS 11 & 12, AUTO MAINTENANCE 11 & 12

These hands-on courses look at how to maintain and repair motor vehicles. Students will learn about automotive systems, such as brakes, electrical, tire service, and ignition systems. Students will participate in performing basic repairs, welding and soldering techniques, and carry out on-going preventive maintenance for many different kinds of vehicles and engines.

Students are expected to work safely, wear their own work boots (CSA safety approved) for all classes, and are expected to use many different hand and power tools, such as air tools, jacks and hoists, tire changer/balancer, welding equipment, and specialty tools. No prior experience is required for these courses. Students should be able to work individually and in small groups, attend regularly, and complete two 2-week co-op work placements.

These courses are ideal for those interested in a career as an automobile mechanic, heavy equipment repair technician, small engine service tech, or any other mechanical trade.

## **BUILDING SYSTEMS**

BUILDING SYSTEMS MAINTENANCE 11 & 12  
BUILDING SYSTEMS TECHNOLOGY 11 & 12

These hands-on courses look at how buildings are constructed, basic electrical wiring, and plumbing systems. Students will learn how to make buildings using wood, how to plan and join plumbing parts found in most homes, how to wire basic electrical systems and basic landscaping techniques.

Students are expected to work safely, wear their own work boots (CSA safety approved) for all classes, and are expected to use many different hand and power tools, such as hammers, drills, saws, soldering torches, routers, air tools, ladders and scaffolds. No prior experience is required for this course. Students should be

able to work individually and in small groups, attend regularly, and complete two 2-week co-op work placements.

This course is ideal for those interested in a career as a carpenter, electrician, plumber, and any other construction trades.

## **FOOD STUDIES**

FOOD PREPARATION AND SERVICE 10 & FOOD SCIENCE 12, DINING GUEST SERVICES 11 & 12

These courses utilize a hands-on approach which allows students to develop skills suitable for employment in the food industry. Students will practice food preparation in a commercial kitchen setting, learn menu planning, preparation and plating of food and food safety skills.

In the dining area of the classroom, students will learn cashiering, hosting, setting tables, waiting, setting of meeting rooms, handling customer complaints, supervising and organizing reservations. Students will also complete a 2-week work placement in the industry, two times throughout the year.



## Co-operative Education

The Co-operative Education course is a career oriented course designed to integrate classroom theory with practical workplace experience. Co-operative Education enables the student to explore a career area, gain valuable knowledge and experience, and develop necessary employment skills and attitudes while earning a high school credit recognized by some post-secondary institutions. Students should check with the university of their choice to ensure that the Co-operative Education credit will be used in an admission average.

Students must be in Grade 11 to enroll in Co-operative Education and must demonstrate maturity and a sense of readiness for the independent nature of this program.

Students are required to complete 25 hours in the classroom at the beginning of the course. During this time students engage in self-assessment exercises, career exploration, and work place preparation including; resume, cover letter and interview skills. Students will also gain certifications in St John Ambulance First Aid, WHIMIS and Safe@myjob. Students must complete all requirements of the in-school component of Co-operative Education before beginning work placements.

Students are required to complete 80 hours of community based on-site training. During this time students must participate fully by showing interest and having a positive attitude. Students must also complete daily logs, time sheets, and reflective assignments during their placement. Failure to meet the requirement of 80 hours of work will result in loss of credit.

The co-op teacher will assist students in finding an appropriate work placement. The student's placement is supported and agreed upon by the student, co-op teacher, community placement and parent/guardians. The work placement component can take place during or after school hours, on weekends, and/or during vacations in accordance with board and school policies and agreed upon arrangements between the Co-op teacher, community placement, and student. The student is responsible for their transportation, on a daily basis, to the community based on-site training.

Students who wish to enroll in Co-operative Education must complete an application which needs to be filled out and signed by a parent/guardian and include both community and teacher references. Once accepted into the Co-op program, the student is making a commitment to this course for the following school year.

To obtain or submit an application or for questions regarding Co-operative Education credits students are asked to see Mrs. Cavelle Hughes, our Co-op teacher at North Nova. She can be reached in her room 2011, by email at [HughesC@ccrce.ca](mailto:HughesC@ccrce.ca) or by phone at 902-755-8180 ext. 2011.

## Personal Development Credits

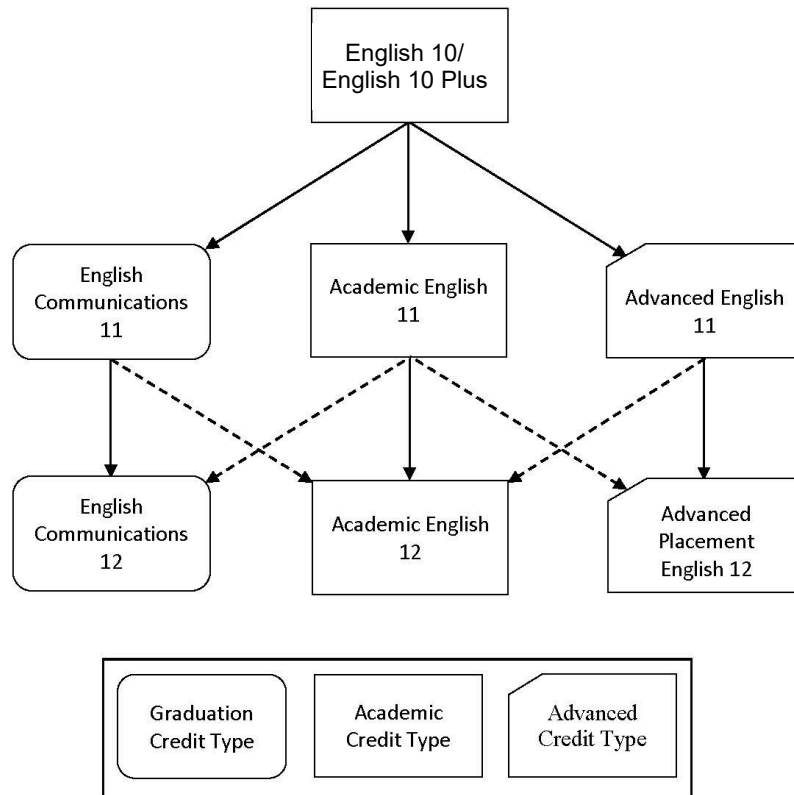
Beginning in September 2012, students were eligible to receive an **elective credit** in high school for pursuing their interests and developing their talents through a variety of approved courses that they would take outside of school. The Department of Education will recognize one personal development credit from a list of approved courses/programs. This credit can be used as an elective credit towards the eighteen credits needed to graduate. The number of service providers that have been approved continues to grow each year. Further information and forms can be found on the Department of Education's website at <https://pdc.ednet.ns.ca/>.

### Effective September 2022

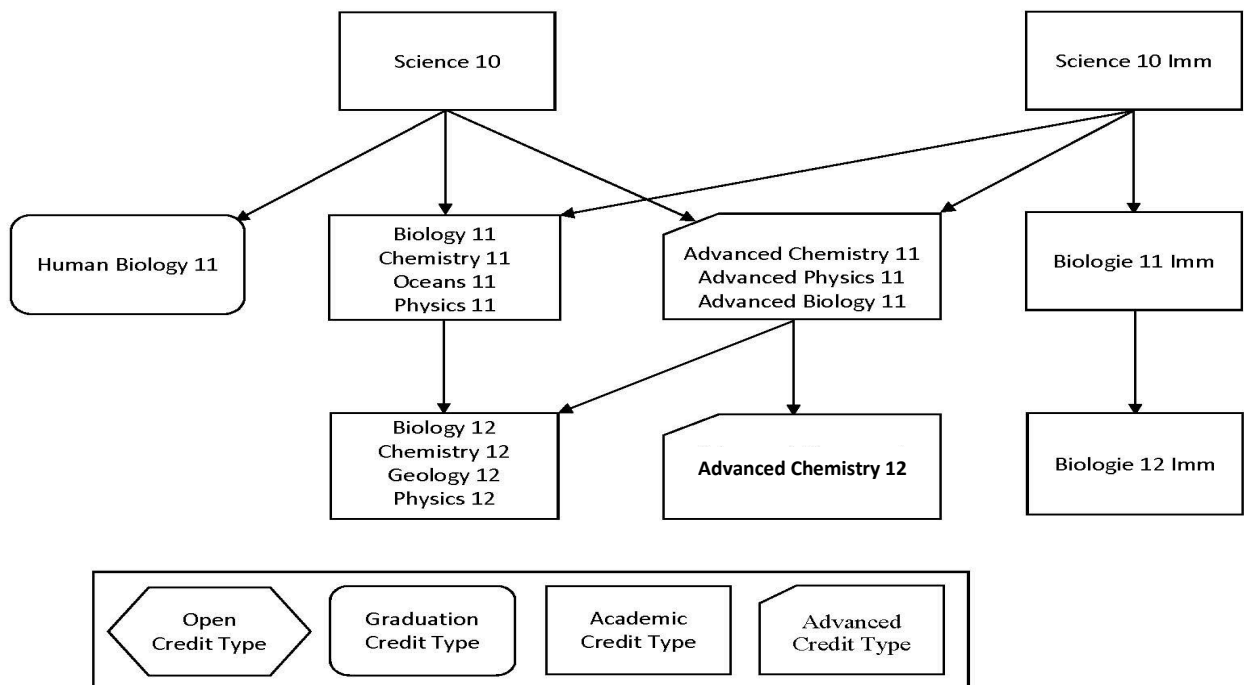
Service Providers and their Course Titles	Power School Course Name	Grade Level	Credit Value
<b>Canadian Dance Teachers Association</b>			
Canadian Dance Teachers' Association Intermediate Ballet	Intermediate Ballet 10	10	1.0
Canadian Dance Teachers' Association Advanced Ballet	Advanced Ballet 11	11	1.0
<b>Canadian Lebanon Society of Halifax</b>			
Lebanese Arabic A2	Lebanese Arabic Language 10	10	1.0
Lebanese Arabic B1	Lebanese Arabic Language 11	11	1.0
<b>Canadian Red Cross</b>			
Water Safety Instructor	Water Safety Instructor 11 A	11	0.5
Pool Lifeguard	Pool Lifeguard 11 A	11	0.5
<b>Catapult Leadership Society</b>			
Catapult Plus	Catapult Plus 10	10	0.5
<b>Department of National Defence</b>			
Basic Training Course	Basic Training 11	11	1.0
<b>The Duke of Edinburgh's Awards</b>			
Duke of Edinburgh Bronze	Duke of Edin Bronze Award 10	10	1.0
Duke of Edinburgh Silver	Duke of Edin Silver Award 11	11	1.0
Duke of Edinburgh Gold	Duke of Edin Gold Award 12	12	1.0
<b>Girl Guides of Canada</b>			
Canada Cord	Canada Cord 10	10	1.0
Trailblazer Leadership Award	Trailblazer Leadership Award 12	12	1.0
<b>Gymnastics Nova Scotia</b>			
NCCP Gymnastics Foundation in Coaching	Gymnastics Coach 11	11	1.0
<b>Junior Achievement</b>			
The Company Program A (English)	JA Company Program 10A	10	0.5
The Company Program B (English)	JA Company Program 10B	10	0.5
The Company Program A (French)	Programme Jun Achievement 10A	10	0.5
The Company Program B (French)	Programme Jun Achievement 10B	10	0.5
<b>Italian Language School</b>			
Italian Language and Culture Level A1	Italian Language 10	10	0.5
Italian Language and Culture Level B1	Italian Language 11	11	0.5
Italian Language and Culture Level B2, C1, C2	Italian Language 12	12	0.5
<b>Lifesaving Society of Nova Scotia</b>			
Swimming/ Lifesaving Instructor	Swim/ Lifesaving Instructor 11	11	0.5
National Lifeguard – Pool	National Lifeguard 11	11	0.5
<b>MacPhee Centre for Creative Learning</b>			
MacPhee Centre Creative Visual Arts	MacPhee Creative Visual Art 10	10	0.5
MacPhee Centre Performing Arts	MacPhee Performing Arts 10	10	0.5
<b>Nova Scotia 4-H Program</b>			
Nova Scotia 4-H Gold	NS 4H Gold 10	10	1.0
<b>Nova Scotia Equestrian Federation</b>			
NCCP—English Instructor of Beginning Coaching	Equestrian Eng. Coach 10	10	1.0
NCCP—Western Instructor of Beginning Coaching	Equestrian West. Coach 10	10	1.0
NCCP - Drive Instructor Coach	NSEF Drive Instructor Coach 10	10	1.0

Service Providers and their Course Titles		Power School Course Name	Grade Level	Credit Value
<b>Nova Scotia Pony Club</b>				
	Nova Scotia Pony Club Leadership	Nova Scotia Pony Club 10	10	1.0
<b>Nova Scotia Scouts Canada</b>				
	Chief Scout Award	Chief Scout 10	10	1.0
	Queen's Venturer Award	Queen's Venturer 12	12	1.0
<b>SHAD Canada</b>				
	SHAD Canada, Canada's STEAM and Entrepreneurship Live-in Program	SHAD Canada 11	11	1.0
<b>Swim Nova Scotia</b>				
	NCCP Swimming Fundamentals Coach Level 1	Swimming Fundamentals Coach 11	11	1.0
<b>Volunteer Fire Department</b>				
	NFPA 1001 Firefighter 1	Firefighter 11	11	1.0
<b>Youth Voices of Nova Scotia Society</b>				
	Youth Voices of Nova Scotia "The Voice"	Youth Voices of NS 11	11	0.5

# Senior High English Course Pathways



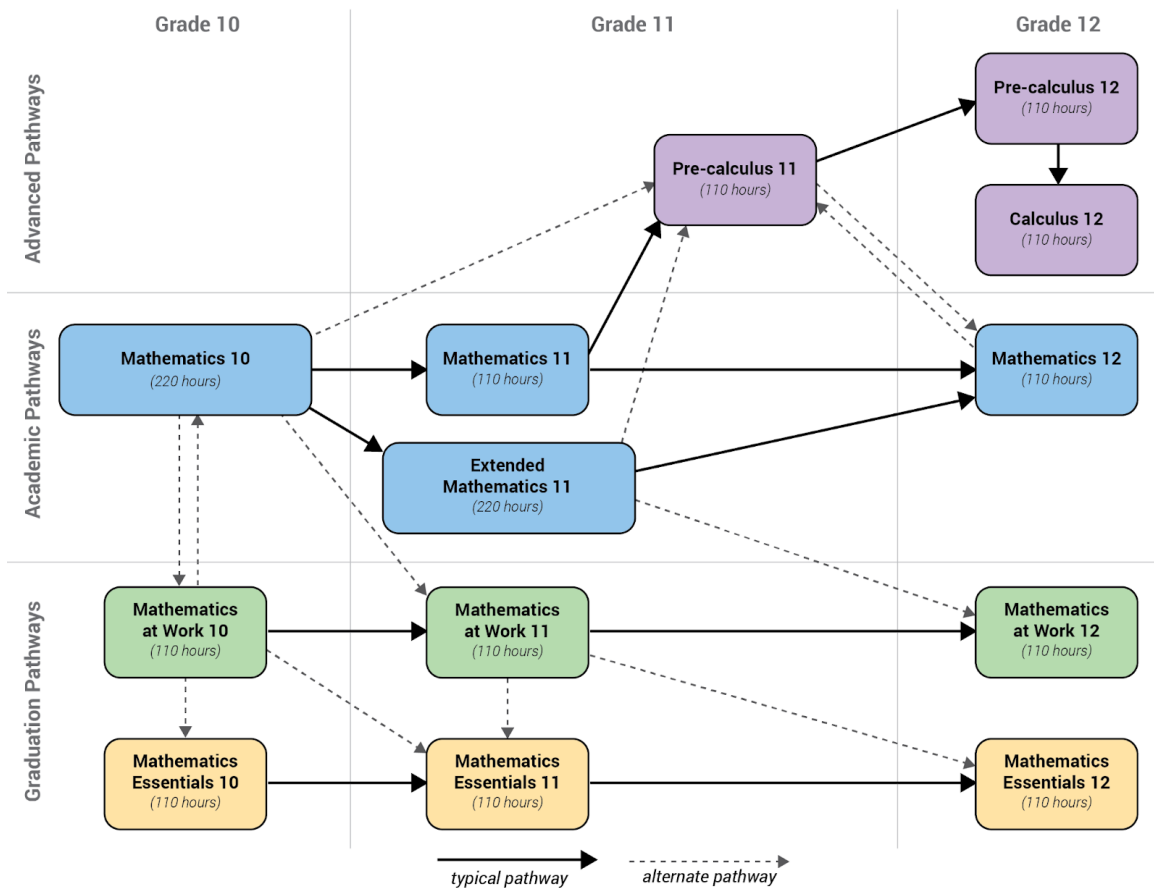
# Senior High Science Course Pathways



## Mathematics Pathways

The Nova Scotia mathematics curriculum provides students the knowledge, skills, and understandings for post-secondary programs or direct entry into the workforce. High school mathematics courses are organized into four pathways: Academic, Pre-calculus, Mathematics at Work and Mathematics Essentials with each pathway being organized to provide specific mathematical contexts, concepts and skills. When choosing a pathway, students should choose a pathway that best fits their interests and plans after high school. For students entering Grade 10, Mathematics 10 provides the most flexibility for future courses. This would be a good choice for students unsure of their post-secondary plans. Students, parents, and educators are encouraged to research the admission requirements for post-secondary programs of study as they vary by institution and by year.

### Senior High Mathematics Course Pathways (Effective 2021)



**Academic pathway (academic credit type):** Courses in this pathway prepare students to enter post-secondary academic programs that do not require calculus.

*Courses: Mathematics 10, Mathematics 11 (or Extended Mathematics 11) and Mathematics 12*

**Pre-calculus pathway (advanced credit type):** Courses in this pathway prepare students to enter post-secondary academic programs that require calculus. This pathway branches off of the academic pathway.

*Courses: Pre-calculus 11 and Pre-calculus 12, Calculus 12*

**Mathematics at Work pathway (graduation credit type):** Courses in this pathway prepare students to enter post-secondary programs that do not require academic mathematics or who plan to enter the workforce directly after high school.

*Courses: Mathematics at Work 10, Mathematics at Work 11, and Mathematics at Work 12*

**Mathematics Essentials pathway (graduation credit type):** Courses in this pathway prepare students to enter directly into the workforce after graduation and not pursue future post secondary studies.

*Courses: Mathematics Essentials 10, Mathematics Essentials 11, and Mathematics Essentials 12*

# Skilled Trades

Nova Scotia's skilled trades sector is one of the highest job opportunity sectors that this province has to offer. Recognizing the importance of this option for our students, the Department of Education and Early Childhood Development developed a suite of courses focused on the skilled trades. These courses promote career exploration and skill development in the trades, and cater to a wide variety of learning styles.

Skilled Trades courses are the starting point for Nova Scotia high school students who want to explore the skilled trades as a possible career option. These courses are based on curricula that immerse students in the realities of skilled trades work. They were designed by high school teachers and experienced trades educators from the Nova Scotia Community College in consultation with industry representatives.

## Do you enjoy

- understanding how things work?
- working with new technologies?
- seeing concrete results from your work each day?
- being physically active?
- working with your head and your hands?
- putting things together?

If you do, then you should think about taking SKILLED TRADES courses.

Explore skilled trades careers, learn professional working techniques, receive full academic credit and Apprenticeship hours!

Skilled Trades courses provide full academic credit for taking part in activities you enjoy. If you register for appren-

ticeship, you will be eligible to receive 110 hours for each Skilled Trades course. Skilled Trades courses may just be the first step on a great journey through the trades!

Skilled Trades courses provide a mixture of theoretical and practical workplace activities. Students spend approximately 80% of their time completing actual trades tasks and projects using the basic tools of industry professionals.

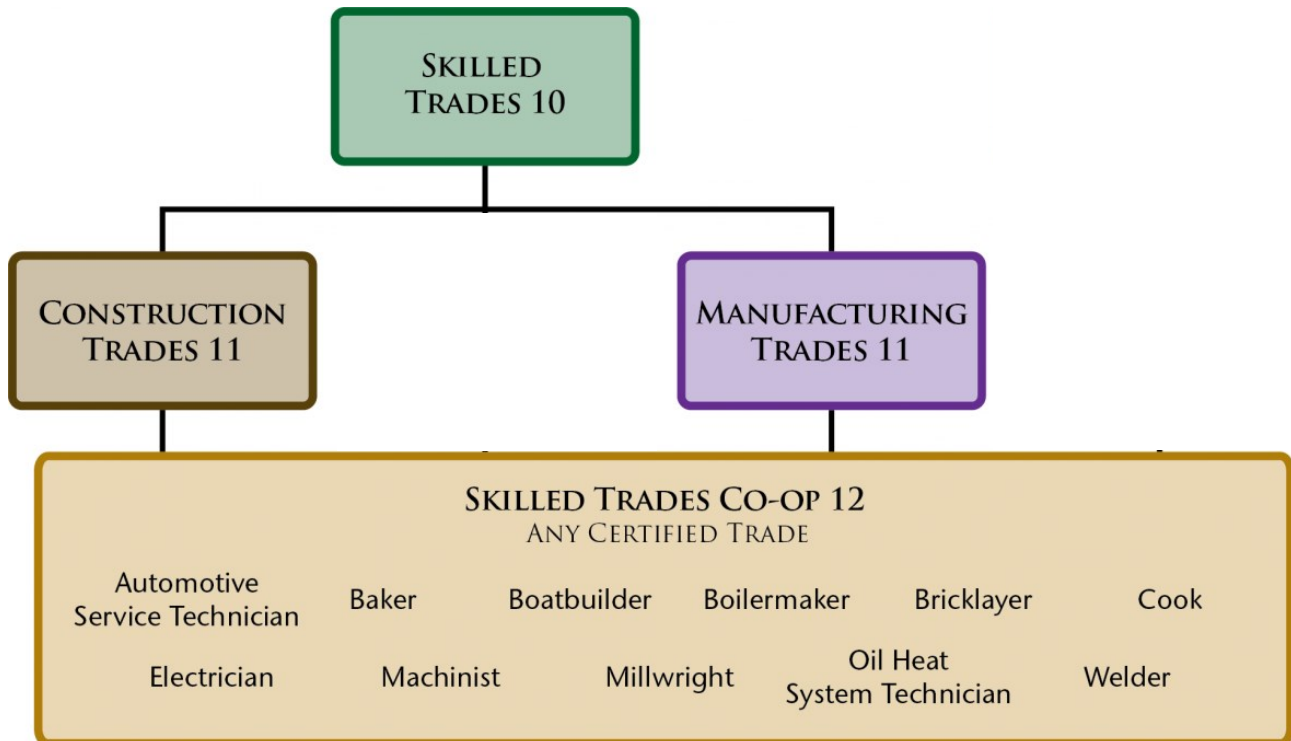
Skilled Trades courses are designed to be taught by certified journeypeople. As the result of an agreement between the Nova Scotia Departments of Education, and Labour and Advanced Education, students receive apprenticeship hours, upon registration, based on the actual time in class while under the supervision of a certified journeyperson teacher.

Students who successfully complete Skilled Trades courses under the direction of a certified journeyperson teacher can earn up to 500 hours upon registration as an apprentice or youth apprentice.

Many Skilled Trades Education students will pursue work in a trade either through direct entry into the workforce or after completing other post-secondary options. Whether students move into a skilled trades career or not, they will have acquired transferable skills that will serve them throughout their lives.

Check out this website for more information:  
<https://www.ednet.ns.ca/cbl/skilled-trades>

## Skilled Trades Pathways



# Courses for Grade 10 Students

All students must take 8 credits. All grade 10 students must take English, Math, Science and a fine arts credit plus enough elective courses to total eight credits. Please note: One of the courses taken must be at the grade 11 level as students can only seven (7) grade 10 credits can be used towards graduation. All subjects count as 1 credit unless otherwise indicated below.

<b>Languages</b> <i>Choose 1</i>	English 10 (A)	<input type="checkbox"/>	<b>Electives</b>	Advanced Biology 11 (ADV)	<input type="checkbox"/>
	English 10 Plus (A) (2 credits)	<input type="checkbox"/> <input type="checkbox"/>		African Canadian Studies (A)	<input type="checkbox"/>
	English 10 (A) & Francais Immersion 10 (A) (2 credits)	<input type="checkbox"/> <input type="checkbox"/>		Biology 11 (A)	<input type="checkbox"/>
<b>Mathematics</b> <i>Choose 1</i>	Mathematics 10 (A) (2 credits)	<input type="checkbox"/> <input type="checkbox"/>	Business Technology 11 (A)	<input type="checkbox"/>	
	Mathematics at Work 10 (G)	<input type="checkbox"/>	Canadian History 11 (A)	<input type="checkbox"/>	
	Mathematics Essentials 10 (G)	<input type="checkbox"/>	Career Development 10 (O)	<input type="checkbox"/>	
<b>Science</b> <i>Choose 1</i>	Science 10 (A)	<input type="checkbox"/>	Child Studies 11 (O)	<input type="checkbox"/>	
	Sciences 10 IMM (A) & Biologie 11 (A) (2 credits)	<input type="checkbox"/> <input type="checkbox"/>	Communications Technology 11(A)	<input type="checkbox"/>	
			Construction Technology 10 (O)	<input type="checkbox"/>	
			Core French 10 (A)	<input type="checkbox"/>	
			Design 11 (A)	<input type="checkbox"/>	
			History 10 (A)	<input type="checkbox"/>	
			Mi'kmaw Studies 11 (A)	<input type="checkbox"/>	
			Physical Education: Martial Arts 11 (O)	<input type="checkbox"/>	
			Physical Education 10 (O)	<input type="checkbox"/>	
			Physically Active Living 11 (O)	<input type="checkbox"/>	
			Skilled Trades 10 (A)	<input type="checkbox"/>	
<b>Fine Arts</b> <i>Choose a Minimum of 1</i>	Art Dramatique 10 IMM (A)	<input type="checkbox"/>	<b>Career Exploration Program</b> <i>Choose 1</i>	Automotive (O) (2 credits)	<input type="checkbox"/> <input type="checkbox"/>
	Dance 11 (A)	<input type="checkbox"/>		Building Systems (O) (2 credits)	<input type="checkbox"/> <input type="checkbox"/>
	Drama 10 (A)	<input type="checkbox"/>		Food Service (O) (2 credits)	<input type="checkbox"/> <input type="checkbox"/>
	Music 10 (A)	<input type="checkbox"/>			
	Music Instrumental Band 10 (A)	<input type="checkbox"/>			
	Music Vocals 10 (A)	<input type="checkbox"/>			
	Visual Art 10 (A)	<input type="checkbox"/>			

## ADVANCED BIOLOGY 11

Advanced Biology 11 will prepare students for Advanced Biology 12. It covers all topics of Biology 11 and includes additional topics such as: the structure and function of human specialized cells; a detailed study of photosynthesis and cellular respiration, direct connections between science, technology, society and the environment; a focus on human diseases and their impacts on the function of body systems and the human immune system.

Students should expect to cover topics more quickly in class and conduct more research on their own time. This course includes an independent research project where the teacher will act as an advisor, but the choice of topic, procedure and final product are the responsibility of the student.

## AFRICAN CANADIAN STUDIES 11

African Canadian Studies 11 promotes understanding of African Canadian people and their history, heritage, culture, traditions and contributions to society, recognizing their origins as Africans.

African Canadian Studies contributes to the improvement of race relations and cross-cultural understanding in our community and society at large. Evaluation will be based on assignments, an exam, tests, and projects.

**This course fulfills the Canadian History requirement for high school graduation.**

## ART DRAMATIQUES 10

This course will be offered to students in the French Immersion program. The course content is the same course as the Drama 11 course. (Please see Drama 10 course description).

## BIOLOGIE 11

This course will be offered to students in the French Immersion program. The course content is the same course as the Biology 11 course. (Please see course description below).

## BIOLOGY 11

This academic course examines the form, function and diversity of major groups of organisms. Emphasis is placed upon understanding how living things work and their relationship to each other. Topics include: The Cell and Homeostasis, Taxonomy, Bacteria and Viruses, The Immune, Digestive and Circulatory systems, Fungi and Protists, Invertebrates and Vertebrates.

This course is designed to provide a strong foundation for students planning to take Biology 12 and for those pursuing further post-secondary studies in the science-related areas. Students are expected to do corresponding readings from the textbook and take notes daily as there is a considerable amount of new content and vocabulary to learn. There is a lab component with lab quizzes, weekly assignments, monthly major tests.

## **BUSINESS TECHNOLOGY 11**

In this course students begin by learning to type properly using the touch keyboarding method. They will learn to prepare various documents, including personal and business letters, academic reports, and resumes. They will create spreadsheets to manage data. Students will use desktop publishing to design and produce a variety of documents, including cards, invitations, certificates, and newsletters. They will become confident and purposeful users of the computer.

Students will be evaluated on their typing technique, daily work in the computer lab, as well as tests. Students will achieve a typing speed of 40 words per minute.

**This course fulfills the Technology requirement for graduation.**

## **CANADIAN HISTORY 11**

Canadian History explores our past from the beginning up until today. Studying Canadian History allows us to see how we have developed into a unique country by examining our history, relationships, society and government. Canadian History 11 will examine the history through many different cultural groups such as the First Nations people, the African Canadians, Acadians and other diverse groups and learn about how each group impacted the development of our country.

**This course fulfills the Canadian History requirement for high school graduation.**

## **CAREER DEVELOPMENT 10**

Career Development 10 will assist students in developing a career plan, to make decisions about their future, and to prepare for the world beyond high school. The course is designed to help young people to understand themselves, to manage their personal lives and resources (including financial resources), and to develop the ability to organize and shape their careers.

The students will develop their abilities to communicate, think, and deal with their feelings. They will explore realistic personal goals, assess their own abilities and realize how these actions will affect their learning and decision-making processes. Students will learn to develop their understanding of how relationships, health, careers, and resources affect their lives. Through an increased awareness of self, students will be able to contribute more positively to the well being of others.

The evaluation for this course consists of in-class assignments, projects and tests. Students who are interested in planning for their future career paths would be interested in this course.

## **CHILD STUDIES 11**

Child Studies 11 is designed to provide students with a background on parenthood and childhood development. Topics covered in the course include Decisions about Parenthood, The Beginning of Parenthood, Early Childhood Development, Special Concerns in Child Development and Practical Experiences with Children.

## **COMMUNICATIONS TECHNOLOGY 11**

This course offers students the chance to experience a wide variety of hands-on technology, including digital photography, technical design (3D dimensional objects), graphic design (Logo screen printing design), video production (short video clips), and animation (stop-time or digital).

Students will become familiar with several computer-assisted programs (Google Sketch-Up, Studio 8), as well as practical tools for graphic design (Microsoft Publisher). This course involves several student-directed projects and assignments which require the ability to work well in groups, basic math skills, problem solving skills and knowledge of the design process.

**This course fulfills the Technology requirement for graduation.**

## **CONSTRUCTION TECHNOLOGY 10**

This course gives the student a general understanding of the construction industry with a main focus on light construction. Students will study the basic concepts of modern house frame construction and will construct a model house using basic wood working tools. AutoCAD computer software is taught and used for construction diagramming. This is a course where each student is assessed mainly on written assignments, models that have been designed and built by the student and by several small tests.

**This course fulfills the Technology requirement for high school graduation.**

## **CORE FRENCH 10**

Core French 10 allows students to participate actively and to communicate in situations which are relevant and real to them. Students are exposed to oral and written texts on themes such as driving, part-time work, careers and travelling. They learn to describe people and events, to express their point of view, to take notes and to keep a journal.

Students work individually and in small groups throughout the course. Students will be evaluated on their oral and written competency as they complete class activities, projects, and tests.

## **DANCE 11**

Dance 11 is designed for all students with or without formal dance training. It emphasizes creativity, movement, composition and presentation/performance. The course explores a range of dance styles with specific work on focused genres.

**This course fulfills a Fine Arts or a Physical Education requirement for high school graduation.**

## **DESIGN 11**

Design 11 is a course that examines advertising, environmental issues of design (wind power), architectural design (floor plans, house plans and products), sketching designs and graphic art. Students will become familiar with several computer assisted drafting programs (Google Sketch-Up, Auto-CAD), as well as practical tools for graphic design (Microsoft Publisher).

This course involves several student-directed projects and assignments which require basic math skills, problem solving skills and knowledge of the design process.

For this course students should be interested in designing/redesigning products, have creativity, and the ability to visualize a final product.

**This course fulfills the Technology requirement for graduation.**

## **DRAMA 10**

Drama 10 is an introductory course in drama focusing on the personal growth of the student. Through extensive work in improvisation, both in small and large groups, students gain confidence as they



explore and communicate ideas, experiences, and feelings in a range of dramatic forms. This is an excellent course for students who wish to develop skills, and improve their comfort level with making presentations in front of a live audience.

Students are expected to participate in all aspects of the course.

**This course fulfills the Fine Arts requirements for high school graduation.**

## ENGLISH 10

English 10 is one of two options the first of three compulsory high school language arts credits designed to enhance students' language skills, including speaking, listening, writing, reading, viewing and dramatizing. These skills are most often developed through the study of a variety of literary genres, including short stories novels, poetry and drama.

All grade 10 students must complete English 10 or English 10 Plus before being offered a choice of English courses in grades 11 and 12.

**A formal, Provincial examination will take place at the end of the course.**

## ENGLISH 10 PLUS

English 10 Plus is one of two options for the first of three compulsory high school language arts credits designed to enhance and refine students' language skills, including speaking, listening, writing, reading, viewing and dramatizing. This option offers students a year-long English course (two credits) to explore current issues and topics that are relevant to their lives in order to improve communication skills and further develop their critical thinking. Language skills and social and emotional development will be refined through the study of a variety of literary genres, including short stories, novels, poetry, and drama.

All grade 10 students must complete English 10 or English 10 Plus before being offered a choice of English courses in grades 11 and 12.

**A formal, Provincial examination will take place at the end of the course.**

## FRANÇAIS – IMMERSION 10

This immersion course emphasizes using French for a variety of purposes. This course is conducted entirely in French. This course is instructed entirely in French therefore students will be expected to speak French at all times during class. Students are engaged in listening and speaking experiences that require them to communicate information and respond orally to a variety of texts, such as conversations, interviews, documentaries, articles, poems, short stories, and novels.

Students are engaged in written activities through which they present information, write letters, and express their feelings about different events and situations. The course also explores other forms of viewing and representing.

## HISTORY 10

This course provides a study of the origin of humans and the development of their many civilizations around the world in ancient times. Specific cultures studied may include Egypt, India, China, Greece, Rome, Japan, and Europe in the Middle Ages. Students have the opportunity to learn how these ancient cultures enrich modern life.

Expression of concepts learned is welcomed in many forms including: literature, speaking/debating, technology and so on. This is a high-interest course for students wishing to know about the distant origins of modern society.

## MATHEMATICS 10

(academic credit type, 2 credits, 220-hour course)

Mathematics 10 is an **academic** credit type high school mathematics course. Upon successful completion students will receive 2 academic credits; one in Mathematics 10 and another in math, science or technology.

It is recommended that students proceed to Mathematics 11 or Mathematics Extended 11 upon completion of Mathematics 10. In some cases students may choose a course other than Mathematics 11 or Extended Mathematics 11. Students should make this decision following discussions with their family and school staff.

*Students in Mathematics 10 will explore the following topics:* measurement systems, surface area and volume, right triangle trigonometry, exponents and radicals, polynomials, linear relations and functions, linear equations and graphs, solving systems of equations, and financial mathematics.

**A formal, Provincial examination will take place at the end of the course.**

## MATHEMATICS AT WORK 10

(graduation credit type, 1 credit, 110-hour course)

Mathematics at Work 10 is a **graduation** credit type high school mathematics course.

It is recommended that students proceed to Mathematics at Work 11 upon completion of Mathematics at Work 10. In some cases students may choose a course other than Mathematics at Work 11. Students should make this decision following discussions with their family and school staff.

*Students in Mathematics at Work 10 will explore the following topics:* measurement systems, surface area, Pythagorean theorem, right triangle trigonometry, similar polygons, angles, perpendicular and parallel lines, unit pricing, currency exchange, income, and basic algebra.

## MATHEMATICS ESSENTIALS 10

(graduation credit type, 1 credit, 110-hour course.)

Mathematics Essentials 10 is an introductory, **graduation** credit type high school mathematics course designed for students who do not intend to pursue post-secondary study.

It is recommended that students proceed to Mathematics Essentials 11 upon completion of Mathematics Essentials 10. In some cases students may choose a course other than Mathematics Essentials 11. Students should make this decision following discussions with their family and school staff.

*Students in Mathematics Essentials 10 will explore the following topics:* Mental math, working and earning, deductions and expenses, paying taxes, making purchases, buying decisions, probability, measuring and estimating, transformation and design, and buying a

car.

## MI'KMAW STUDIES 11

Mi'kmaq Studies 11 is a course that serves not only to highlight the Mi'kmaq experience, but also to provide opportunities for learners to gain an understanding how they are connected to the history and culture of the First Peoples of the Maritimes. The course incorporates an inquiry-based approach and examines broad concepts such as governance, culture, justice, spirituality, and education.

Students will analyse historical and contemporary Mi'kmaq issues, which enables them to achieve a greater understanding of, and respect for, both Mi'kmaq society and Mi'kmaq contributions to Canadian society.

**This course fulfills the Canadian History requirement for high school graduation.**

## MUSIC 10

MUSIC 10 includes a study of the different eras of music with an emphasis on 20<sup>th</sup> century music, and current music trends. There is a multi level approach to the learning of theory, depending on experience, ear training, group composition and writing with an introduction to the recording facilities available. There is an introduction to the music writing software available.

Evaluation is comprised of composition, quizzes, daily participation, projects and a journal. This course promotes creativity and developing the skills of organization, cooperative work processes and presentation.

**This course fulfills the Fine Arts requirement for high school graduation. Please Note: Students can only receive one music credit per grade level towards graduation.**

## MUSIC INSTRUMENTAL BAND 10

This course is a continuation of junior high instrumental music. **Students interested in this course should have a minimum of 2 years experience playing a band instrument and be proficient in reading music.**

This performance-based course will focus on individual instrument technique, ear training, theory and music history. Through the study of traditional band literature, students will explore various styles, composers, arranging techniques and historical content. Technology will be introduced to enhance music composition and aural skill training.

Evaluation in this course will be based on individual/group performance testing, ear training, ensemble work and short quizzes.

**This course fulfills the Fine Arts requirements for high school graduation. Please Note: Students can only receive one music credit per grade level towards graduation.**

## MUSIC VOCALS 10

Music Vocals 10 teaches through choral singing. There will be theory, history and ear training taught through the thorough study of choral preparation and performance. **There will be an emphasis on vocal technique and singing musically within a choir.** There will be a large variety of styles and musical eras covered.

Evaluations will include quizzes, chamber concert performances, technique testing, small group compositions and projects, and as-

signments. If you find joy in singing, and have a desire to learn more about music, this course is for you.

**This course fulfills the Fine Arts requirement for school graduation.**

**Please Note: Students can only receive one music credit per grade level towards graduation.**

## PHYSICAL EDUCATION 10

This course will provide students with a variety of fitness and sport experiences to enhance their understanding of personal fitness and growth. Physical Education 10 includes theory components, as well as students having the opportunity to participate in a variety of indoor and outdoor fitness, sport and recreational experiences. The focus of this course is to have students assume responsibility for active, healthy living. The course is divided into four modules: Outdoor Pursuits, Exercise Science, Personal Fitness, and Leadership.

Evaluation consists of tests, projects, and regular skills/fitness tests. Students must be physically active, motivated and have a genuine interest in physical activity, games and/or sports.

**This course fulfills the Physical Education requirement for high school graduation.**

## PHYSICAL EDUCATION: MARTIAL ARTS 11

This course is designed for students to receive daily instruction in Karate and experience other aspects of martial arts and Asian culture. Students are required to complete an in-depth theory component that will cover the history of Karate and its introduction to Canada. The karate-ka (student of karate) will learn fundamental karate techniques (kihon), forms (kata), basic sparing (kumite) and language.

Developing self-defence will also be a regular component of training and students will be expected to wear a gi (uniform). Through regular training, the ultimate aim of Martial Arts 11 is for students to commence a journey towards self-improvement. The training component will run in a traditional dojo manner with the possibility to train for a higher belt rank. Experience is not necessary but a minimum level of fitness is useful.

**This course fulfills the Physical Education requirement for high school graduation.**

## PHYSICALLY ACTIVE LIVING 11

This course is designed to engage students in a wide range of physically active experiences, with an overall theme of exploring options and opportunities for being active for life, both in school and in their community. Physically Active Living 11 encompasses both an activity component and a theory component, with an emphasis on engagement in physical activity.

The activity component of the course is designed to provide opportunities for students in active experiences that engage youth in traditional and non-traditional forms of physical activity. Weekly fitness assessments are important parts of the program. The theory component of the course will enhance student understanding of community recreation opportunities, personal fitness, and healthy living.

**This course fulfills the Physical Education requirement for high school graduation.**

## **SCIENCE 10**

Science 10 is designed to expose students to the three main disciplines in science available at the grade 11 and 12 level. These disciplines include physics, chemistry and biology. The program contains four main units: Sustainability of Ecosystems, Chemical Reactions, Weather Dynamics, and Motion. Each of the units will introduce students to a variety of concepts which will help develop their scientific literacy skills and attitudes that create an appreciation for science.

Students will be fostered to develop skills in analysis, synthesis and to explore the interrelationships that exist between variables in scientific experiments.

## **SCIENCES 10 (IMM)**

This course is open to students in the French Immersion program. The topics covered are the same as those covered in Science 10 (see above description).

## **SKILLED TRADES 10**

Skilled Trades 10 examines the skilled trades, the impact they have on society and the career opportunities that exist for skilled tradespersons. Skilled Trades 10 combines theory with hands-on learning experiences.

The course is comprised of: Safety, Skilled Trades Living, Measurement & Calculations for Trades, and Tools & Materials. Students are expected to work individually and in groups. The course is ideal for any student considering a possible future in the skilled trades.

**This course is a prerequisite for both Construction Trades 11 & Manufacturing Trades 11.**

## **VISUAL ARTS 10**

The first year high school art course concentrates on developing basic art skills and an understanding of the core content of drawing and design, painting, sculpture, printmaking, and art history. In order to help students develop their understanding of concepts in art and to prepare them for future studies in art.

**This course fulfills the Fine Arts requirement for high school graduation.**

# Courses for Grade 11 Students

All students are required to select a minimum of eight (8) courses.

Grade 11 students are permitted to choose one (1) course at the grade 12 level.

Please Note: All subjects count as 1 credit unless otherwise indicated below.

<b>Languages</b> <i>Choose 1</i>	Advanced English 11 (ADV)	<input type="checkbox"/>	<b>Electives</b>	Child Studies 11 (O)	<input type="checkbox"/>
	English 11 (A)	<input type="checkbox"/>		Communications Technology 11(A)	<input type="checkbox"/>
	English Communications 11 (G)	<input type="checkbox"/>		Construction Technology 12 (O)	<input type="checkbox"/>
<b>Mathematics</b> <i>Choose a Minimum of 1</i>	Mathematics 11 (A)	<input type="checkbox"/>	Construction Trades 11 (A)	<input type="checkbox"/>	
	Mathematics at Work 11 (G)	<input type="checkbox"/>	Co-op Ed. 11 (A)	<input type="checkbox"/>	
	Mathematics Essentials 11 (G)	<input type="checkbox"/>	Core French 10 (A)	<input type="checkbox"/>	
	Pre-Calculus11 (ADV)	<input type="checkbox"/>	Dance 11 (A)	<input type="checkbox"/>	
<b>Science</b>	Advanced Biology 11 (ADV)	<input type="checkbox"/>	Design 11 (A)	<input type="checkbox"/>	
	Advanced Chemistry 11 (ADV)	<input type="checkbox"/>	Drama 11 (A)	<input type="checkbox"/>	
	Astronomy 12 (A)	<input type="checkbox"/>	Entrepreneurship 12 (A)	<input type="checkbox"/>	
	Biology 11 (A)	<input type="checkbox"/>	Exercise Science 12 (A)	<input type="checkbox"/>	
	Biologie 11 IMM (A)	<input type="checkbox"/>	Health & Human Services (A)	<input type="checkbox"/>	
	Biologie 12 IMM (A)	<input type="checkbox"/>	Film & Video Production 12 (A)	<input type="checkbox"/>	
	Chemistry 11 (A)	<input type="checkbox"/>	Fitness Leadership 11 (A)	<input type="checkbox"/>	
	Human Biology 11 (G)	<input type="checkbox"/>	Francais-Immersion 11 IMM (A)	<input type="checkbox"/>	
	Oceans 11 (A)	<input type="checkbox"/>	Law 12 (A)	<input type="checkbox"/>	
	Physics 11 (A)	<input type="checkbox"/>	Manufacturing Trades 11 (A)	<input type="checkbox"/>	
<b>Career Exploration Program</b> <i>Choose 1</i>	Automotive (O) (2 credits)	<input type="checkbox"/>	Mi'kmaw Studies 11 (A)	<input type="checkbox"/>	
	Building Systems (O) (2 credits)	<input type="checkbox"/>	Multimedia 12 (A)	<input type="checkbox"/>	
	Food Service (O) (2 credits)	<input type="checkbox"/>	Music 11 (A)	<input type="checkbox"/>	
<b>Electives</b>	Advanced Music 11 (ADV)	<input type="checkbox"/>	Music Instrumental Band 11 (A)	<input type="checkbox"/>	
	African Canadian Studies 11 (A)	<input type="checkbox"/>	Music Vocals 11 (A)	<input type="checkbox"/>	
	Audio Recording/Production 12 (A)	<input type="checkbox"/>	Musical Theatre 12 (A)	<input type="checkbox"/>	
	Business Technology 11 (A)	<input type="checkbox"/>	Psychology 12 (A)	<input type="checkbox"/>	
	Canadian History 11 (A)	<input type="checkbox"/>	Physical Education 11 (O)	<input type="checkbox"/>	
			Physical Education Leadership 12 (O)	<input type="checkbox"/>	
		Physical Education: Martial Arts 11	<input type="checkbox"/>		
		Physically Active Living 11 (O)	<input type="checkbox"/>		
		Radio Broadcasting 11 (A)	<input type="checkbox"/>		
		Sociology 12 (A)	<input type="checkbox"/>		
		Visual Arts 11 (A)	<input type="checkbox"/>		
		Yoga 11 (A)	<input type="checkbox"/>		

## ADVANCED BIOLOGY 11

Advanced Biology 11 will prepare students for Advanced Biology 12. It covers all topics of Biology 11 and includes additional topics such as: the structure and function of human specialized cells; a detailed study of photosynthesis and cellular respiration, direct connections between science, technology, society and the environment; a focus on human diseases and their impacts on the function of body systems and the human immune system.

Students should expect to cover topics more quickly in class and conduct more research on their own time. This course includes an independent research project where the teacher will act as an advisor, but the choice of topic, procedure and final product are the responsibility of the student.

## ADVANCED CHEMISTRY 11

This course studies and investigates the structure and properties of matter. Students will need to develop and use problem solving skills in a variety of applications. A solid understanding of math concepts is essential. This course takes an in-depth look at structure and properties, stoichiometry (balancing an equation and applying it to

measured amounts of reactants and products), and organic chemistry. Concepts will be studied in both individual and group settings, in the classroom and laboratory.

The advanced program includes an APA research paper and the completion of an independent study/experiment.

This course is strongly recommended for students planning to enroll in Advanced Placement Chemistry 12.

## ADVANCED ENGLISH 11

Advanced English 11 is an intensive program of study that offers a challenging curriculum designed to broaden knowledge in English Literature as well as hone skills, encourage personal initiative, risk-taking, responsibility, independence, and leadership. The outcomes of Advanced English 11 are those of English 11, but with further emphasis on the development of abstract thinking, critical analysis, awareness of personal and cultural paradigms, and the sophisticated articulation of these focuses.

Students will explore the purpose and nature of language, and its power in shaping society as well as the history of the English Lan-

guage and various literary movements. Students will participate in a variety of learning situations, such as research, speeches, cooperative group work, debates, independent study, and use of technology.

Spelling, grammar and mechanics of writing are also an integral components, as well as functional use of the MLA guide. Students will be immersed in an intense course requiring extensive personal and classroom reading, writing and reflection.

**This course is strongly recommended for students planning to enroll in Advanced Placement English 12.**

### **ADVANCED MUSIC 11**

Students wishing to take this course must initially sign up for one or the following: Music 11, Music Vocals 11 or Instrumental Music 11, depending on where their interests lie. Students wishing to take Advanced Music 11 must apply through the preparation of a portfolio and an interview process. **Students must have above average achievement in grade 10 music or equivalent.** Required course components are as follows:

- Performance of a body of work or the presentation of a composition
- Leadership in large ensemble music making
- Ear training and sight reading
- Completion of a level 2 theory and music writing using available software
- Global music study independent research project
- Two or three individual student interest modules such as conducting, instrument repair, stage management, etc.

The Advanced Music 11 student must be motivated and able to work Independently. **This course fulfills the Fine Arts requirements for high school graduation.**

### **ADVANCED PHYSICS 11**

This is an introductory course in physics for highly motivated students with a particular interest in science and proven ability in mathematics. Advanced Physics 11 will cover the same core topics as Physics 11, but with a greater depth and as a result, problem solving will require a higher degree of mathematical expertise.

As a university preparatory course, this first year Physics course is a continuation from the topic (motion) which was introduced in Science 10. Additional topics include forces, momentum and energy, and waves. This course is designed for students who wish to study Physics at an advanced level and who have demonstrated an exceptional degree of academic ability or achievement. Students considering careers in Physics, Engineering or Technology should find this course a good preparation.

The evaluation for this course includes tests, assignments, quizzes, independent studies and lab activities (hands-on and virtual).

### **AFRICAN CANADIAN STUDIES 11**

African Canadian Studies 11 promotes understanding of African Canadian people and their history, heritage, culture, traditions and contributions to society, recognizing their origins as Africans.

African Canadian Studies contributes to the improvement of race relations and cross-cultural understanding in our community and society at large. Evaluation will be based on assignments, an exam, tests, and projects.

**This course fulfills the Canadian History requirement for high**

**school graduation.**

### **ART DRAMATIQUES 10**

This course will be offered to students in the French Immersion program. The course content is the same course as the Drama 11 course. (Please see Drama 10 course description).

### **ASTRONOMY 12**

Astronomy is the scientific study of the stars, planets, and other celestial bodies. The design of this course provides students with insight into another field of science.

We will start with the history of astronomy around the world and build our understanding out from Earth and its near neighbours. We will look at how our understanding of our place in the universe has developed. After developing an understanding of our solar system, we will look at the life cycles of stars, and then galaxies and the theories surrounding the development of the universe.

### **AUDIO RECORDING/ PRODUCTION 12**

This academic course provides students with a creative program that will fulfill their interests in music, technology and popular culture. Through “hands on” application and classroom theory, ARP 12 students will develop the skills necessary to create a variety of tape and digital recordings and do live sound production work. In order to fulfill requirements for this course, students must complete a minimum of 6 hours of sound tech work outside of class.

Students interested in this course should have a background in technology and a strong interest in music. Proficiency on an instrument is beneficial but not required. This course will help prepare students for careers in music, film and video, live/location sound production and digital media, as well as many other currently developing tech careers. Evaluation consists of short quizzes, group projects and individual effort on live production work.

**This course fulfills the Technology requirement for high school graduation.**

### **BIOLOGY 11**

This academic course examines the form, function and diversity of major groups of organisms. Emphasis is placed upon understanding how living things work and their relationship to each other. Topics include: The Cell and Homeostasis, Taxonomy, Bacteria and Viruses, The Immune, Digestive and Circulatory systems, Fungi and Protists, Invertebrates and Vertebrates.

This course is designed to provide a strong foundation for students planning to take Biology 12 and for those pursuing further post-secondary studies in the science-related areas. Students are expected to do corresponding readings from the textbook and take notes daily as there is a considerable amount of new content and vocabulary to learn. There is a lab component with lab quizzes, weekly assignments and monthly major tests.

### **BIOLOGIE 11**

This course will be offered to students in the French Immersion program. The course content is the same course as the Biology 11 course. (Please see course description above).

### **BIOLOGIE 12**

This course will be offered to students in the French Immersion

program. The course content is the same course as the Biology 12 course. (Please see course description for Biology 12)

## **BUSINESS TECHNOLOGY 11**

In this course students begin by learning to type properly using the touch keyboarding method. They will learn to prepare various documents, including personal and business letters, academic reports, and resumes. They will create spreadsheets to manage data. Students will use desktop publishing to design and produce a variety of documents, including cards, invitations, certificates, and newsletters. They will become confident and purposeful users of the computer.

Students will be evaluated on their typing technique, daily work in the computer lab, as well as tests. Students will achieve a typing speed of 40 words per minute.

**This course fulfills the Technology requirement for graduation.**

## **CANADIAN HISTORY 11**

Canadian History explores our past from the beginning up until today. Studying Canadian History allows us to see how we have developed into a unique country by examining our history, relationships, society and government. Canadian History 11 will examine the history through many different cultural groups such as the First Nations people, the African Canadians, Acadians and other diverse groups and learn about how each group impacted the development of our country. There is a final exam for this course.

**This course fulfills the Canadian History requirement for high school graduation.**

## **CHEMISTRY 11**

This course studies and investigates the structure and properties of matter. Students will need to develop and use problem solving skills in a variety of applications. A solid understanding of math concepts is essential. This course examines structure and properties, stoichiometry (balancing an equation and applying it to measured amounts of reactants and products), and organic chemistry. Concepts will be studied in both individual and group settings, in the classroom and laboratory.

For even greater depth, students could consider enrolling in the Advanced Chemistry course.

## **CHILD STUDIES 11**

Child Studies 11 is designed to provide students with a background on parenthood and childhood development. Topics covered in the course include Decisions about Parenthood, The Beginning of Parenthood, Early Childhood Development, Special Concerns in Child Development and Practical Experiences with Children.

## **COMMUNICATIONS TECHNOLOGY 11**

In this course students will learn about photography, graphic design, animation, videography, and media awareness. This course requires the use of programs like GIMP, Photoshop, Canva, and Publisher to create digital designs. Students will learn about the technical aspects of dSLR cameras to take photos with proper composition. Students will complete a major assignment.

**This course fulfills the Technology requirement for graduation.**

## **CONSTRUCTION TECHNOLOGY 12**

Construction Technology 12 introduces students to building materials, processes, and tools typical of the construction industry, while

providing opportunities for critical thinking and skill development through designing and building various construction projects. The course offers a broad range of opportunities for students to experience hands-on learning including residential framing, interpreting construction drawings, electrical and plumbing systems, safety training, construction practices related to energy efficiency, and career pathways exploration.

## **CONSTRUCTION TRADES 11**

**Pre-requisite: Successful completion of Skilled Trades 10.**

Construction Trades 11 focuses on the skills developed in Skilled Trades 10 in a construction environment. Trades examined include carpentry, plumbing, electrical, painting-decorating and floor installation. Working in groups students will develop skills needed at construction sites.

Each student will frame, wire, plumb and finish a section of the project. Students will complete a full-sized hotel unit including framing, creating a functioning bathroom, installing working electrical systems, doors, windows, exterior siding and interior finishes.

## **CO-OPERATIVE EDUCATION 11**

Co-operative education is a term used to describe a program that provides an educationally beneficial experience for students. Co-op programs are a three way educational partnership amongst the employer, the school and the student.

The Co-operative education program will provide students with an opportunity for career exploration and occupational decision making, which will assist in the transition from high school to either post-secondary training or direct entry into the work force. The first 25 hours of the course is comprised of classroom instruction and the final 80 hours are spent in the work place. Students are given the choice of selecting their place of employment, and with the teacher's assistance, the placement is arranged.

The students must complete weekly journals, as well as workplace attendance sheets. There is a lot of flexibility for students in completing the 80 hours of on-the-job training. Generally, the student can complete co-op hours when it best fits their schedule, provided there is agreement with the employer and the teacher.

The students are expected to come to class once in an 8 day cycle during which time their work journals are presented in class. Evaluation consists of employer assessment, in class assignments, journals, and a final presentation. The student who wishes to take Co-op 11 must be organized and committed to all their school courses.

**Acceptance into the course requires applying and being interviewed for a seat.**

## **CORE FRENCH 11**

French is the language of instruction and communication in the classroom. Core French 11 allows students to participate actively and to communicate in situations which are relevant and real to them. Students are exposed to oral and written texts on themes such as pop culture, urban folklore, travel, and forces of nature. Students work individually and in small groups throughout the course.

Students will be evaluated on their oral and written competency as they complete class activities, projects, and tests.

## **DANCE 11**

Dance 11 is designed for all students with or without formal dance

training. It emphasizes creativity, movement, composition and presentation/performance. The course explores a range of dance styles with specific work on focused genres.

The final assessment will be participation in a dance performance.

**This course fulfills a Fine Arts or a Physical Education requirement for high school graduation.**

## DESIGN 11

Design 11 is a course that examines advertising, environmental issues of design (wind power), architectural design (floor plans, house plans and products), sketching designs and graphic art. Students will become familiar with several computer assisted drafting programs (Google Sketch-Up, Auto-CAD), as well as practical tools for graphic design (Microsoft Publisher).

This course involves several student-directed projects and assignments which require basic math skills, problem solving skills and knowledge of the design process.

For this course students should be interested in designing/redesigning products, have creativity, and the ability to visualize a final product.

**This course fulfills the Technology requirement for graduation.**

## DRAMA 11

Drama 11 builds on materials and skills developed in Drama 10. This course concentrates on script building but continues to build on skill development in presenting dramatic performances. Students will both individually, and in groups, develop several short to medium-length works built from simple improvisations as well as a variety of other media. From these they will work towards writing scripts and eventually perform, from their collective works, selected pieces at a public presentation at the end of the course.

**This course fulfills the Fine Arts requirement for high school graduation.**

## ENGLISH 11

English 11 continues to build and expand on the fundamentals of English 10. It allows students to further develop their reading, writing, speaking, listening and viewing skills.

The course content includes the study of short stories, novels, poetry, and drama. Skill development in language, creative writing, technology and critical thinking will also be an essential element of the course.

Students will be expected to work independently, think critically and accept the challenges of an academic course. There will be various methods of assessment which include, but are not limited to, quizzes, tests, assignments, projects, essays and presentations.

## ENGLISH COMMUNICATIONS 11

English/Communications 11 is designed to meet the individual needs, interests and abilities of students who are **not** planning to pursue a university education. It will focus on the communication skills needed for success in community colleges, apprenticeship programs and the world of work.

Students can expect that the same units of study will be covered in this course as in the English 11 course, but with more opportunity to improve communication skills through reading, writing, and interpreting media.

## ENTREPRENEURSHIP 12

This course is a hands-on business course where students learn the skills needed to start up and run their own business. Some topics that will be covered include marketing, market research, logistics, cost analysis and more.

In this class you will also learn to apply your creativity skills by thinking of creative marketing as well as creative services, products and events. While there is no final exam in this course, the ventures require work outside of regular scheduled class times.

Students who have a strong work ethic are typically successful in this course. Students will also develop their communication and teamwork skills. Individuals should have an interest in working in groups and with the public if they are going to enroll in Entrepreneurship 12.

## EXERCISE SCIENCE 12

This course is designed for students who have an interest in personal fitness and training, in understanding how the body works from a physical perspective, or in a career related to physiotherapy, massage therapy, teaching, paramedic, personal trainer, athletic therapy or nutrition. It would also be useful for any student considering enrolling in a Human Kinetics or Kinesiology program at the post-secondary level.

The majority of the course hours (75%) are held in the classroom while the remaining hours (25%) are held in the gym focusing on testing the components of fitness. Topics covered in this course include anatomy, principles and methods of training, energy systems, nutrition, care and prevention of injuries and the components of fitness. Evaluation for this course will be comprised of fitness labs, tests and assignments.

**The course fulfills the Physical Education requirement for high school graduation.**

## FILM AND VIDEO PRODUCTION 12

This course focuses on films and the film making process. Students will be required to critically analyze and research culturally relevant films. Students will learn the technical aspects of producing film. Students will be expected to work in groups to write, act, film, and produce their own original short films.

To be successful in this course, you must be able to work well in groups or as a production team.

**This course fulfills the Technology requirement for high school graduation.**

## FITNESS LEADERSHIP 11

This course is intended for those students who wish to attain a more advanced knowledge and understanding in the fields of physical activity, fitness and leadership. Fitness Leadership 11 will consist of two classroom sessions as well as two activity sessions in the gym per cycle. Classroom sessions will include anatomy and physiology, principals of conditioning, leadership, injury prevention and risk, management and the components of a fitness class. Activity sessions will have a major emphasis on fitness and applying fitness concepts in our community through leadership experiences.

This class is designed for those who have a keen interest and high motivation to actively demonstrate being a leader in the field of physical fitness.

**This course fulfills the Physical Education requirement for high**

school graduation.

## FRANCAIS-IMMERSION 11

In the grade 11 French Immersion course, students continue to listen and respond to a variety of texts and to communicate orally information on various topics. Reading and literature include novels, articles, biographies, poems, short stories, reports, and research papers. This course is conducted entirely in French. This course is conducted entirely in French, therefore students are expected to speak French at all times during class.

## HEALTH & HUMAN SERVICES 12

Health and Human Services 12 is a course that will appeal to students who are interested in learning about ways to better quality of living in our communities. Students will explore ways to foster sense of belonging and connectedness to support and improve overall well-being. Units of study include exploring the qualities required to work in the helping field, learning how to access health care and social services offerings, researching career pathways, and identifying the personal and professional skills required to work on helping professions. This course may appeal to students interested in careers related to Health & Human Services, Early Childhood, Social Work, Psychology, Education, Health Care etc.

**All students are required to complete a 10 hour Volunteer Experience.**

## HUMAN BIOLOGY 11

Human Biology 11 explores the science that affects us everyday. The Human Biology 11 curriculum covers a number of body systems and the diseases that impact these systems. These systems include: digestive, circulatory, nervous, reproductive and skeletal. We will also study current health issues related to the systems and learn the importance of making healthy and responsible life choices. This course is not intended for students planning on studying science after high school.

**This course fulfills the second Science requirement for high school graduation.**

## LAW 12

This course surveys the Canadian legal system. Students engage in an exploration of both criminal and civil law. The Canadian and American systems are contrasted. The roles of the prosecutor, defense, judge and jury are examined. Various crimes and defenses are detailed. The legal process is outlined from arrest to verdict. Later, students shift their focus to civil law: litigation, contracts, consumer law, marriage/family law, and wills.

## MANUFACTURING TRADES 11

**Pre-requisite: Successful completion of Skilled Trades 10.**

Manufacturing Trades 11 is designed for learners interested in the manufacturing trades. Following the apprenticeship model, learners in Manufacturing Trades 11 will spend 20% of their time focused on theory and 80% working *hands-on*. Learners complete manufacturing-related trades skill-building projects, using hand and power tools, welding, fabricating and operating machining equipment.

## MATHEMATICS 11

(academic, 1 credit, 110-hour course)

Mathematics 11 is an **academic** credit type high school mathematics course.

It is recommended *that students have successfully completed Mathematics 10 prior to enrolling in this course.*

Upon completion of Mathematics 11 it is *recommended* that students proceed to Mathematics 12 or Pre-calculus 11. In some cases students may choose a course other than Mathematics 12 or Pre-calculus 11. Students should make this decision following discussions with their family and school staff.

*Students in Mathematics 11 will explore the following topics:* applications of rates, scale diagrams and factors, inductive and deductive reasoning, an introduction to proof, cosine law, sine law, spatial reasoning, statistics, systems of linear inequalities, and quadratic functions.

## MATHEMATICS AT WORK 11

(graduation credit type, 1 credit)

Mathematics at Work 11 is a **graduation** credit type high school mathematics course.

It is recommended *that students have successfully completed Mathematics at Work 10 prior to enrolling in this course.*

Upon completion of Mathematics at Work 11 it is *recommended* that students proceed to Mathematics at Work 12. In some cases students may choose a course other than Mathematics at Work 12. Students should make this decision following discussions with their family and school staff.

*Students in Mathematics at Work 11 will explore the following topics:* measurement systems, surface area, volume, 2-D and 3-D geometry, scale, exploded diagrams, numerical reasoning, personal budgets, compound interest, financial institution services, data management, and formula manipulation for various contexts.

## MATHEMATICS ESSENTIALS 11

(graduation credit type, 1 credit, 110-hour course)

Mathematics Essentials 11 is a graduation credit type high school mathematics course designed for students who do not intend to pursue post-secondary study.

It is recommended that students have successfully completed Mathematics Essentials 10 prior to enrolling in this course.

Upon completion of Mathematics Essentials 11 it is *recommended* that students proceed to Mathematics Essentials 12. In some cases students may choose a course other than Mathematics Essentials 12. Students should make this decision following discussions with their family and school staff.

*Students in Mathematics Essentials 11 will explore the following topics:* mental mathematics, data management, borrowing money, renting or buying, household budgets, investing money, measurement, 2-D and 3-D design, mathematics in content areas such as science and social studies.

## MI'KMAW STUDIES 11

Mi'kmaq Studies 11 is a course that serves not only to highlight the Mi'kmaq experience, but also to provide opportunities for learners to gain an understanding how they are connected to the history and culture of the First Peoples of the Maritimes. The course incorporates an inquiry-based approach and examines broad concepts such as governance, culture, justice, spirituality, and education.



Students will analyse historical and contemporary Mi'kmaw issues, which enables them to achieve a greater understanding of, and respect for, both Mi'kmaw society and Mi'kmaw contributions to Canadian society.

**This course fulfills the Canadian History requirement for high school graduation.**

## MULTIMEDIA 12

Multimedia 12 provides students with an opportunity to work with collecting and recording electronic or digital images and sound. With these collected media, students will create and manipulate these sounds and images into multi-media projects that will reflect ideas and norms of 21st century society.

Students in this course will develop an understanding of the many different forms of expression available and use them to reflect their own experiences, ideas and opinions. A sense of artistic creativity as well as a basic understanding of computer technology would be an asset to students in this course.

At the completion of this course, students will have a basic portfolio of their work that can be used when applying for post-secondary programs.

The study of multimedia can lead to a broad range of occupations within the arts and communication disciplines and can also be applied across a broad range of other disciplines and occupations. Occupations include Animator, Communications designer, Graphic artist, Interface designer, Sound producer, Recording technologist, Software developer, Video editor and Website designer.

**This course fulfills the Technology requirement for high school graduation.**

## MUSIC 11

Music 11 is a continuation of Music 10. It is not necessary that you play an instrument for this course, but it is an asset. It includes a timeline study of the various eras of music, but also concentrates on current music trends. Students will keep a weekly listening log and will learn to analyze for style, form, and theoretical composition. There will be group compositions based on a variety of criteria.

Students will use computer technology for some of their writing and for recording compositions. There is a musicianship component that includes ear training and learning to sight read. Students will perform for each other in their composition groups. There will be a module on keyboards for those that don't play the piano. The focus of this course is to connect music study with the music in our lives and what's happening globally.

Students applying for Advanced Music 11 will prepare a portfolio citing their theory background, performance and/or composition history, and their reason for wanting this course. After an interview process, those accepted into the program will get an individual course outline that will be sent home with them.

**This course fulfills the Fine Arts requirements for high school graduation. Please Note: Students can only receive one music credit per grade level towards graduation.**

## MUSIC INSTRUMENTAL BAND 11

Music Instrumental Band 11 is a continuation of Instrumental Music 10. Students interested in this course should have a minimum of 3 years experience playing a band instrument, be proficient in

reading music and have a playing knowledge of all major scales.

This performance based course will focus on individual instrument technique, ear training, theory and music history. Through the study of traditional band literature, students will explore various styles, composers, arranging techniques and historical content. Jazz improvisation will be introduced in grade 11 as well as minor scales and modes of the major scales.

Evaluation in this course will be based on individual/group performance testing, ear training, composition/arranging, ensemble work and short quizzes.

**This course fulfills the Fine Arts requirements for High school graduation. Please Note: Students can only receive one music credit per grade level towards graduation.**

## MUSIC VOCALS 11

Vocal 11 teaches through choral singing. There will be a continuation of theory, history and ear training from the grade 10 level taught through the thorough study of choral preparation and performance. There will be an emphasis on vocal technique and singing musically within a choir. There will be a large variety of styles and musical eras covered.

There will be class performances of small ensembles in the form of chamber concerts.

**This course fulfills the Fine Arts requirements for high school graduation. Please Note: Students can only receive one music credit per grade level towards graduation.**

## MUSICAL THEATRE 12

Musical Theatre students will study the three components of musical theatre: singing, acting and movement, and explore artistic, cultural and societal connections in the musical theatre genre. Students will prepare and perform scenes and musical numbers from musical theatre productions ranging from the Golden Era to modern compositions. This work will culminate in an end-of-term public performance showcasing student growth throughout the term.

**This course fulfills the Fine Arts requirements for high school graduation. Please Note: Students can only receive one music credit per grade level towards graduation.**

## OCEANS 11

This course provides an integrated approach to science, using the ocean as its theme and source of practical examples. It is designed as an introductory course in oceans in which aspects of geology, physics, chemistry, and biology are studied.

Application of oceanography to chosen topics of current interest are included - the fishery, aquaculture, off-shore oil exploration, and tidal power.

**This course fulfills the second Science requirement for high school graduation.**

## PHYSICAL EDUCATION 11

The Teaching Games for Understanding (TGFU) model serves as the basis for the grade 11 physical education curriculum. This module, along with the Life Skills through Sport module, makes up 90 percent of the entire curriculum. Throughout this course, modified sport games will be taught within four categories (invasion/territory, target, net/wall, and striking/fielding). The emphasis throughout this course is on the tactical and strategic game play whereby students

make appropriate decisions in modified sport settings. Personal fitness and classroom sessions are maintained each week.

**This course fulfills the Physical Education requirement for high school graduation.**

### **PHYSICAL EDUCATION: MARTIAL ARTS 11**

This course is designed for students to receive daily instruction in Karate and experience other aspects of martial arts and Asian culture. Students are required to complete an in-depth theory component that will cover the history of Karate and its introduction to Canada. The karate-ka (student of karate) will learn fundamental karate techniques (kihon), forms (kata), basic sparring (kumite) and language.

Developing self-defence will also be a regular component of training and students will be expected to wear a gi (uniform). Through regular training, the ultimate aim of Martial Arts 11 is for students to commence a journey towards self-improvement. The training component will run in a traditional dojo manner with the possibility to train for a higher belt rank. Experience is not necessary but a minimum level of fitness is useful.

**This course fulfills the Physical Education requirement for high school graduation.**

### **PHYSICAL EDUCATION LEADERSHIP 12**

This course will develop leadership skills through experience in the context of outdoor and environmental education. Students will engage in a wide variety of outdoor experiences, including hiking, mountain biking, camping, rock climbing and canoeing, to develop personal skills in the pursuit of active and healthy lifestyles. Students will also receive Field Leader Certification through the Outdoor Council of Canada, a nationally recognized certification in Outdoor Leadership.

There will be a study of the history of outdoor leadership and some of the great leaders past and present. Students will have the opportunity to develop personal leadership skills in each of the outdoor pursuits modules. This course will require students to engage in regular physical activity both in the school and the outdoors.

**The course fulfills the Physical Education requirement for high school graduation.**

### **PHYSICALLY ACTIVE LIVING 11**

This course is designed to engage students in a wide range of physically active experiences, with an overall theme of exploring options and opportunities for being active for life, both in school and in their community. Physically Active Living 11 encompasses both an activity component and a theory component, with an emphasis on engagement in physical activity.

The activity component of the course is designed to provide opportunities for students in active experiences that engage youth in traditional and non-traditional forms of physical activity. Weekly fitness assessments are important parts of the program. The theory component of the course will enhance student understanding of community recreation opportunities, personal fitness, and healthy living.

**This course fulfills the Physical Education requirement for high school graduation.**

### **PHYSICS 11**

This course is intended for those students that may wish to pursue

post-secondary studies in science, computing and engineering. As a university preparatory course, this first year Physics course is a continuation from the topic (motion) which was introduced in Science 10. Additional topics include forces, momentum and energy, and waves.

The course will emphasize knowledge and skills to enable students to appreciate the role of physics in Science, technology, and society. To be successful in this course, students must have a strong mathematical background and good work habits.

### **PRE-CALCULUS 11**

(advanced, 1 credit, 110-hour course)

Pre-calculus 11 is an **advanced** credit type high school mathematics course.

It is recommended *that students have successfully completed Mathematics 11 prior to enrolling in this course.*

Upon completion of Pre-calculus 11 it is *recommended* that students proceed to Mathematics 12 or Pre-calculus 12. In some cases students may choose a course other than Mathematics 12 or Pre-calculus 12. Students should make this decision following discussions with their family and school staff.

*Students in Pre-calculus 11 will explore the following topics:*

absolute value, radical expressions and equations, rational expressions and equations, angles in standard position, analyze and solve quadratic equations, linear and quadratic equations and inequalities in two variables, arithmetic and geometric sequences, and reciprocals of linear and quadratic functions.

### **PSYCHOLOGY 12**

This course examines human behavior, thoughts and feelings. It is ideal for students interested in understanding them selves and others better. Psychology 12 mirrors the content of a first year college or university course.

Topics covered in Psychology 12 include research techniques, states of consciousness, statistics, learning, neuroscience, mental disorders & treatments, developmental, and social-cultural issues. Students are expected to learn a significant amount of psychological terminology.

The course evaluation is based on seven (7) unit tests, various assignments, individual and group presentations, research skills, critical thinking exercises.

### **RADIO BROADCASTING 11**

The aim of RTV 11 program is to deliver an overview of the exciting and challenging technical world of broadcasting. The RTV program provides training in all operational aspects of broadcast. Students in RTV 11 will be responsible for the NNEC News production as well as video production for the school and community. This is an experiential based learning course.

Occasionally you will be required work in broadcast outside of regular school hours. Students will be working together as members of a common workplace, students learn how to script and produce commercials, newscasts and learn to prepare their own programming / use production equipment. A section of time will also be devoted to photography and journalism.

## **SOCIOLOGY 12**

Sociology 12 is designed to introduce students to the scientific study of human society and interaction. The course is built around five units that provide a basic overview of the field of study:

Unit 1 - Sociology: A Social Science

Unit 2 - Culture: A Shared Human Experience

Unit 3 - Socialization: The Shaping of Human Behavior

Unit 4 - Social Organization: Living Together as Humans

Unit 5 - Social Control: Deviant and Conformist Behavior

The central focus is on providing students with a deeper understanding of the social groups and the society in which humans live, with a particular focus on a Canadian context. The course provides students with an enhanced understanding of human behavior - their own and the others with whom they interact on a daily basis. While psychology is a social science that studies the individual, sociology is the social science that studies people as they interact with others.

This course would be beneficial for students who are interested in pursuing post secondary studies in human services, education, correctional/police services, etc. Evaluation in this course is based on assignments, tests, quizzes and projects.

## **VISUAL ARTS 11**

Visual Art 11 continues with drawing, design and art history, with an emphasis on Canadian art. At this level students will work with a variety of media such as watercolor, acrylics and printmaking.

There are higher expectations for the grade eleven students and they should be prepared to be challenged in their art making. Self motivation and independence is an asset.

**This course fulfills the Fine Arts requirement for high school graduation.**

## **YOGA 11**

Yoga 11 will introduce students to the tradition of Yoga with its various forms and styles. The intention is that students will develop a lifelong personal practice of yoga to maintain vibrant health, develop healthy relationships with self and others while enjoying it as a regular form of recreation.

Students will be participating in various activities that will include physical practice, personal reflection, group discussion and classroom theory.

The physical aspect of yoga will include the acquisition and development of skills including strength, flexibility, cardiovascular endurance, balance, regulation of energy through breathing and mental focus. All of these skills are of great benefit to overall health and to other physical pursuits.

Classroom sessions will address topics such as: meditation, the essentials of good nutrition, ethical yogic principles like kindness and generosity and discussion on becoming positive contributing members of society.

**This course fulfills the Physical Education requirement for high school graduation.**

# Courses for Grade 12 Students

All students are required to select a minimum of six (6) courses.

Please Note: All subjects count as 1 credit unless otherwise indicated below.

<b>Languages</b> <i>Choose 1</i>	Advanced Placement English Literature & Composition 12 (AP)	<input type="checkbox"/>	<b>Electives</b>	Construction Technology 12 (O)	<input type="checkbox"/>
	English 12 (A)	<input type="checkbox"/>		Construction Trades 11	<input type="checkbox"/>
	English 12 African Heritage (A)	<input type="checkbox"/>		Co-op Education 12 (A)	<input type="checkbox"/>
	English Communications 12 (G)	<input type="checkbox"/>		Core French 12 (A)	<input type="checkbox"/>
<b>Global</b> <i>Choose a</i> <i>Minimum of 1</i>	Global Geography 12 (A)	<input type="checkbox"/>	Drama 12: Theatre Arts (A)	<input type="checkbox"/>	
	Global History 12 (A)	<input type="checkbox"/>	Entrepreneurship 12 (A)	<input type="checkbox"/>	
	Global Politics (A)	<input type="checkbox"/>	Exercise Science 12 (A)	<input type="checkbox"/>	
	Geographie Planetaire (A) IMM	<input type="checkbox"/>	Film & Video Production 12 (A)	<input type="checkbox"/>	
<b>Career Exploration Program</b> <i>Choose 1</i>	Automotive (O) (2 credits)	<input type="checkbox"/>	Francais-Immersion 12 IMM (A)	<input type="checkbox"/>	
	Building Systems (O) (2 credits)	<input type="checkbox"/>	Health & Human Services 12 (A)	<input type="checkbox"/>	
	Food Service (O) (2 credits)	<input type="checkbox"/>	Law 12 (A)	<input type="checkbox"/>	
<b>Electives</b>	Advanced Biology 12 (ADV)	<input type="checkbox"/>	Leadership 12 (A)	<input type="checkbox"/>	
	Advanced Music 12 (ADV)	<input type="checkbox"/>	Manufacturing Trades 11	<input type="checkbox"/>	
	Advanced Chemistry 12 (ADV)	<input type="checkbox"/>	Mathematics 12 (A)	<input type="checkbox"/>	
	African Canadian Studies 11 (A)	<input type="checkbox"/>	Mathematics at Work (G)	<input type="checkbox"/>	
	Astronomy 12 (A)	<input type="checkbox"/>	Mathematics Essentials 12 (G)	<input type="checkbox"/>	
	Audio Recording/Production 12 (A)	<input type="checkbox"/>	Mi'kmaw Studies 11 (A)	<input type="checkbox"/>	
	Auto Maintenance 12 (O)	<input type="checkbox"/>	Multimedia 12 (A)	<input type="checkbox"/>	
	Biologie 12 IMM (A)	<input type="checkbox"/>	Music 12 (A)	<input type="checkbox"/>	
	Biology 12 (A)	<input type="checkbox"/>	Music Instrumental Band 12 (A)	<input type="checkbox"/>	
	Calculus 12 (A)	<input type="checkbox"/>	Music Vocals 12 (A)	<input type="checkbox"/>	
	Canadian History 11 (A)	<input type="checkbox"/>	Musical Theatre 12 (A)	<input type="checkbox"/>	
	Chemistry 12 (A)	<input type="checkbox"/>	Physical Education Leadership 12 (O)	<input type="checkbox"/>	
	Communications Technology 12 (A)	<input type="checkbox"/>	Physics 12 (A)	<input type="checkbox"/>	
			Pre Calculus Mathematics 12 (A)	<input type="checkbox"/>	
		Psychology 12 (A)	<input type="checkbox"/>		
		Radio Broadcasting 12 (A)	<input type="checkbox"/>		
		Sociology 12 (A)	<input type="checkbox"/>		
		Visual Arts 12 (A)	<input type="checkbox"/>		

## ADVANCED BIOLOGY 12

This course consists of four major units of study; Maintaining Dynamic Equilibrium, Reproduction and Development, Genetics, as well as Evolution and Diversity. This course is intended for those students with a keen interest in biology, and who are enrolling in biology at university. Students in Advanced Biology 12 will have the opportunity to study additional topics not covered in Biology 12, and complete enriched laboratories and assignments as well as a significant research project.

Students enrolling in this course understand that they will be required to complete work outside of the regular class schedule. The intention of this course is to provide students with the scientific framework, skills, and independence to succeed at the next level of study.

## ADVANCED CHEMISTRY 12

Chemistry 12 is recommended for students interested in sciences and particularly those going on to university science or related programs where chemistry is required. Students will benefit from a strong background in Chemistry 11. This course has an in-depth treatment of the topics, which include thermochemistry (energy changes in chemical reactions), solutions and kinetics (solubility, reaction rates, and equilibrium), acids/bases and equilibrium (pH

scale, acid/base reactions, chemical equilibrium), and electrochemistry (change, current, REDOX reactions).

The advanced program includes a research paper and the completion of an independent study/experiment.

## ADVANCED MUSIC 12

The student would register for Vocal Music 12, Instrumental Music 12 or Music 12, depending where their main interests lie. Students then apply for Advanced Music 12 through the preparation and presentation of a portfolio as well as an interview process.

The course is intended for students planning to enter further studies in music or to pursue a professional music related career. The following are the course requirements:

- Advanced Musicianship (Grade 8 Level or Higher)
- Formal presentation of a composition portfolio or a formal individual performance
- Leadership in large ensemble
- Continuation of Global Studies
- Music industry component
- One main student interest module, related to their intended line of study

This course requires a highly motivated and independent student.

## **ADVANCED PLACEMENT English Literature and Composition 12**

Advanced Placement (AP) English Literature and Composition is a course in the study of literature and composition for seniors. It is designed to enable high school students to experience the rigors of a university course. *AP English: Literature and Composition* materials will provide students with broad and deep exposure to intensive literary analysis, explication of texts, close reading techniques, practice in composition, and an expanded vocabulary.

The university-level reading list will include a selection from various literary genres and literary periods. Readings outside of class are expected of students as part of the course, and concurrent reading texts are integrated into the course curriculum.

For this course, students will write the world-wide AP exam in May.

## **AFRICAN CANADIAN STUDIES 11**

African Canadian Studies 11 promotes understanding of African Canadian people and their history, heritage, culture, traditions and contributions to society, recognizing their origins as Africans.

African Canadian Studies contributes to the improvement of race relations and cross-cultural understanding in our community and society at large. Evaluation will be based on assignments, tests, and projects.

**This course fulfills the Canadian History requirement for high school graduation.**

## **ASTRONOMY 12**

Astronomy is the scientific study of the stars, planets, and other celestial bodies. The design of this course provides students with insight into another field of science.

We will start with the history of astronomy around the world and build our understanding out from Earth and its near neighbours. We will look at how our understanding of our place in the universe has developed. After developing an understanding of our solar system, we will look at the life cycles of stars, and then galaxies and the theories surrounding the development of the universe.

## **AUDIO RECORDING/ PRODUCTION 12**

This academic course provides students with a creative program that will fulfill their interests in music, technology and popular culture. Through “hands on” application and classroom theory, ARP 12 students will develop the skills necessary to create a variety of tape and digital recordings and do live sound production work. In order to fulfill requirements for this course, students must complete a minimum of 6 hours of sound tech work outside of class.

Students interested in this course should have a background in technology and a strong interest in music. Proficiency on an instrument is beneficial but not required. This course will help prepare students for careers in music, film and video, live/location sound production and digital media, as well as many other currently developing tech careers. Evaluation consists of short quizzes, group projects and individual effort on live production work.

**This course fulfills the Technology requirement for high school graduation.**

## **AUTO MAINTENANCE 12**

This hands-on course looks at how to maintain and repair motor vehicles. In this course students will learn about automotive systems, such as brakes and tire service. Students will participate in performing basic repairs, welding and soldering techniques, and carry out on-going preventive maintenance for many different kinds of vehicles and engines.

Students are expected to work safely, wear their own work boots (CSA safety approved) for all classes, and are expected to use lots of different hand and power tools, such as air tools, jacks and hoists, tire changer/balancer, welding equipment, and specialty tools. No prior experience is required for this course. Students should be able to work individually and in small groups and attend regularly.

This course is ideal for those interested in a career as an automobile mechanic, heavy equipment repair technician, small engine service tech, or any other mechanical trade.

## **BIOLOGY 12**

**Successful completion of Biology 11 with a final mark of 65 is recommended.**

Biology 12 provides an in depth look at life with an emphasis on human life. The course is an academic credit that can be very helpful for those students planning on taking sciences, nutrition, kinesiology or psychology at university. This course also has a high degree of interest for those high school students who do not plan on taking sciences at university because of the personal information one can learn about the human body and health.

All topics are centered on the human body and include: genetics (currently the biggest and most important field of research today); the nervous system (including the workings of the brain); the endocrine system (the many types of hormones and their effects); evolution (the scientific view on how life originated and came to be today); the immune system (very relevant given the fear of H1N1) and a brief overview of biochemistry. Evaluation for the course consists of tests, lab reports, assignments and papers.

## **BIOLOGIE 12**

This course will be offered to students in the French Immersion program. The course content is the same course as the Biology 12 course. (Please see course description for Biology 12)

## **CALCULUS 12**

(advanced, 1 credit, 110-hour course)

Calculus 12 is an **advanced** credit type high school mathematics course.

It is recommended that students have successfully completed Pre-calculus 12 prior to enrolling in this course.

Students in Calculus 12 will explore the following topics: the concept of a limit, simple derivatives, properties of derivatives, derivatives of trigonometric, exponential and logarithmic functions, applications of derivatives - tangents, rates of change, motion, curve sketching, anti-derivatives, differential equations and applications of anti-derivatives.

## **CANADIAN HISTORY 11**

Canadian History explores our past from the beginning up until today. Studying Canadian History allows us to see how we have devel-

oped into a unique country by examining our history, relationships, society and government.

Canadian History 11 will examine the history through many different cultural groups such as the First Nations people, the African Canadians, Acadians and other diverse groups and learn about how each group impacted the development of our country. There is a final exam for this course.

**This course fulfills the Canadian History requirement for high school graduation.**

## **CHEMISTRY 12**

Chemistry 12 is recommended for students interested in Sciences and particularly those going on to university science programs or related programs where Chemistry is required. Students will benefit from a strong background in Chemistry 11. Topics include thermochemistry (energy changes in chemical reactions), electrochemistry (change, current, batteries, REDOX reactions), and acids/bases and equilibrium (pH scale, acid/base reactions, chemical equilibrium).

## **COMMUNICATIONS TECHNOLOGY 12**

Students involved in this course will be required to take actively participate in the creation of the school yearbook. Roles for the annual yearbook will include: coordinators, photographers, graphic designers, sales, and advertising.

This course will also allow students to develop a digital portfolio of their work for future use in school and career applications.

## **CONSTRUCTION TECHNOLOGY 12**

Construction Technology 12 introduces students to building materials, processes, and tools typical of the construction industry, while providing opportunities for critical thinking and skill development through designing and building various construction projects. The course offers a broad range of opportunities for students to experience hands-on learning including residential framing, interpreting construction drawings, electrical and plumbing systems, safety training, construction practices related to energy efficiency, and career pathways exploration.

## **CONSTRUCTION TRADES 11**

**Pre-requisite: Successful completion of Skilled Trades 10.**

Construction Trades 11 focuses on the skills developed in Skilled Trades 10 in a construction environment. Trades examined include carpentry, plumbing, electrical, painting-decorating and floor installation. Working in groups students will develop skills needed at construction sites.

Each student will frame, wire, plumb and finish a section of the project. Students will complete a full-sized hotel unit including framing, creating a functioning bathroom, installing working electrical systems, doors, windows, exterior siding and interior finishes.

## **CO-OPERATIVE EDUCATION 12**

Co-operative education is a term used to describe a program that provides an educationally beneficial experience for students. Co-op programs are a three way educational partnership amongst the employer, the school and the student.

The Co-operative education program will provide students with an opportunity for career exploration and occupational decision mak-

ing, which will assist in the transition from high school to either post-secondary training or direct entry into the work force. The first 25 hours of the course is comprised of classroom instruction and the final 80 hours are spent in the work place. Students are given the choice of selecting their place of employment, and with the teacher's assistance, the placement is arranged.

The students must complete weekly journals, as well as workplace attendance sheets. There is a lot of flexibility for students in completing the 80 hours of on-the-job training. Generally, the student can complete co-op hours when it best fits their schedule, provided there is agreement with the employer and the teacher.

The students are expected to come to class once in an 8 day cycle during which time their work journals are presented in class. Evaluation consists of employer assessment, in class assignments, journals, and a final presentation.

The student who selects Co-op 12 must be organized and committed to all their school courses. Grade 12 Co-op students who completed the safety component of the course in grade 11 do not have to repeat the full 25 in class hours at the beginning of the course.

## **CORE FRENCH 12**

The language of instruction is entirely French. Core French 12 is for students who wish to continue to develop fluency in French. Language skills are reinforced, focusing on the ability to communicate orally and in writing. The cultural richness of our country and the world is presented in thematic units. Units include: The Arts, Health & Fitness, Adolescence, Travel, and Our Future.

Students work individually and in small groups to complete projects. Evaluation is comprised of tests, journaling, class work and projects.

## **DRAMA 12: THEATRE ARTS**

This class will be formed into a theatre company. Studying all aspects of play production, the group will prepare a number of short plays and one major play. These will be from both original and pre-written scripts and will be performed publicly. Each student will be expected to write one play for the class to perform.

**This course fulfills the Fine Arts requirements for high school completion**

## **ENGLISH 12**

Course content includes the study of short stories, novels, poetry and Shakespearean drama as well as skill development in language, creative writing, technology and critical thinking. Required for post-secondary university study, English 12 offers students an opportunity to develop proficiency in oral and written communication skills. Evaluation is based on projects, assignments, presentations, quizzes, and tests.

## **ENGLISH 12: African Heritage**

English 12: African Heritage is an English course with an extensive focus on African literature. Much like any English course, various literary texts, such as short fiction, fables and folktales, novels, poetry, film and music will be studied. English 12: African Heritage is divided into several units, including: Pre-Colonial Africa, Slavery and Reconstruction, Renaissance, and Social/Political Change. As a class we will analyze the corresponding historical periods, from the Underground Railroad and the abolitionists' cause to the Hip Hop gen-

eration of today. Evaluation is based on projects, assignments, presentations, quizzes and tests.

English 12: African Heritage fulfills the grade 12 English language arts requirements for graduation.

## **ENGLISH COMMUNICATIONS 12**

English Communications 12 comprises the study of short stories, novels, poetry, as well as skill development in language, creative writing, technology and critical thinking.

This course is intended for students who may need additional support in their development as readers, writers and language users. This course is intended to prepare students for life-long learning by involving them in practical experiences closely related to their lives.

Assessment includes: assignments, presentations, projects and tests. This course is not accepted for admission to university.

## **ENTREPRENEURSHIP 12**

This course is a hands-on business course where students learn the skills needed to start up and run their own business. Some topics that will be covered include marketing, market research, logistics, cost analysis and more.

In this class you will also learn to apply your creativity skills by thinking of creative marketing as well as creative services, products and events. While there is no final exam in this course, the ventures require work outside of regular scheduled class times.

Students who have a strong work ethic are typically successful in this course. Students will also develop their communication and teamwork skills. Individuals should have an interest in working in groups and with the public if they are going to enroll in Entrepreneurship 12.

## **EXERCISE SCIENCE 12**

This course is designed for students who have an interest in personal fitness and training, in understanding how the body works from a physical perspective, or in a career related to physiotherapy, massage therapy, teaching, paramedic, personal trainer, athletic therapy or nutrition. It would also be useful for any student considering enrolling in a Human Kinetics or Kinesiology program at the post-secondary level.

The majority of the course hours (75%) are held in the classroom while the remaining hours (25%) are held in the gym focusing on testing the components of fitness. Topics covered in this course include anatomy, principles and methods of training, energy systems, nutrition, care and prevention of injuries and the components of fitness. Evaluation for this course will be comprised of fitness labs, tests and assignments.

**The course fulfills the Physical Education requirement for high school graduation.**

## **FILM AND VIDEO PRODUCTION 12**

This course focuses on films and the film making process. Students will be required to critically analyze and research culturally relevant films. Students will learn the technical aspects of producing film. Students will be expected to work in groups to write, act, film, and produce their own original short films.

To be successful in this course, you must be able to work well in

groups or as a production team.

**This course fulfills the Technology requirement for high school graduation.**

## **FRANCAIS 12 (IMM)**

This course is conducted entirely in French, therefore students are expected to speak French at all times while in class. Students will further develop advanced written, oral and listening skills. Evaluation is based on homework, oral and written projects, group and individual presentations, tests, quizzes and exams.

## **GLOBAL GEOGRAPHY 12**

Global Geography 12 is a social geography course that examines world trends and issues on a global scale. Topics include population, standards of living, urbanization and natural disasters. Students are required to do independent readings and to construct and interpret charts, graphs, maps and tables.

Global Geography 12 is a perfect choice for students with general environmental interests or an interest in environment-related occupations. Evaluation is based on class work, oral participation in class, assignments, projects and class presentations.

**This course fulfills the Global requirement for high school graduation.**

## **GÉOGRAPHIE PLANÉTAIRE 12 (IMM)**

This course is open to students in French Immersion program. Géographie Planétaire 12 is a social geography course that examines world trends and issues on a global scale. Topics include population, standards of living, urbanization and natural disasters.

Géographie Planétaire 12 is a project based course where students research and interpret information.

**This course fulfills the Global requirement for high school graduation.**

## **GLOBAL HISTORY 12**

Global History 12 is a course that examines the history of the world after World War II. Major units of study are: The Global Historian, The Dynamics of Geo-Political Power (Cold War), The Challenge of Economic Disparity, Justice and Social Change. Throughout the course, the theme of interdependence will be examined. Students will use the research skills of the historian to formulate viewpoints on numerous issues. Evaluation consists of a variety of assignments and tests.

**This course fulfills the Global requirement for high school graduation.**

## **GLOBAL POLITICS 12**

Global Politics 12 is designed to give students the skills and knowledge to become an active global citizen through the critical investigation of contemporary global political issues. The course will include examining a range of global political systems (communism, fascism, capitalism, socialism, and democracy) as well as the structure and organization of government.

Further, the course will investigate the historical roots of the Canadian system, provincial and territorial governance, the election process, and the roles of the executive, legislative, and judicial branches of the government. Global Politics will continue with a comparative

analysis of the various contemporary global governing systems (U.S. and others, dictatorial and democratic, etc.).

Finally, the course will explore global interconnectedness and the organizations that govern relations between nations (the UN, NATO, IMF, World Trade, and World Bank).

**This course fulfills the Global requirement for high school graduation.**

## HEALTH & HUMAN SERVICES 12

Health and Human Services 12 is a course that will appeal to students who are interested in learning about ways to better quality of living in our communities. Students will explore ways to foster sense of belonging and connectedness to support and improve overall well-being. Units of study include exploring the qualities required to work in the helping field, learning how to access health care and social services offerings, researching career pathways, and identifying the personal and professional skills required to work on helping professions. This course may appeal to students interested in careers related to Health & Human Services, Early Childhood, Social Work, Psychology, Education, Health Care etc.

**All students are required to complete a 10 hour Volunteer Experience.**

## LAW 12

This course surveys the Canadian legal system. Students engage in an exploration of both criminal and civil law. The Canadian and American systems are contrasted. The roles of the prosecutor, defense, judge and jury are examined. Various crimes and defenses are detailed. The legal process is outlined from arrest to verdict. Later, students shift their focus to civil law: litigation, contracts, consumer law, marriage/family law, and finally, wills.

Evaluation consists of classwork, assignments, projects and presentations.

## LEADERSHIP 12

Leadership 12 is a personal development course designed to provide students with experiences to create a personal philosophy of leadership that is based on their core beliefs and values in relation to socially responsive leadership.

This course will include opportunities for students to clarify and strengthen their values in relation to social responsibility, and to work at aligning leadership behavior with these values. Students will be required to reflect on their personal passions and will be encouraged to explore these in depth – culminating with a self-directed study in an area of their choice. There will also be an opportunity to integrate their personal understanding and core beliefs regarding social responsibility into the processes, structures and strategies of program planning and implementation, as well as within their interactions with others.

Students will complete a volunteerism component within their school or community.

## MATHEMATICS 12

(academic credit type, 1 credit, 110-hour course)

Mathematics 12 is an **academic** credit type high school mathematics course.

It is recommended *that students have successfully completed Mathematics 11 or Extended Mathematics 11 prior to enrolling in this course.*

*Students in Mathematics 12 will explore the following topics: borrowing money, investing money, set theory, logical reasoning, counting methods, probability, polynomial functions, exponential functions, logarithmic functions, and sinusoidal functions.*

## MATHEMATICS AT WORK 12

(graduation credit type, 1 credit, 110-hour course)

Mathematics at Work 12 is a graduation credit type level high school mathematics course.

It is recommended that students have successfully completed Mathematics at Work 11 prior to enrolling in this course.

Students in Mathematics at Work 12 will explore the following topics: measurement, probability, measures of central tendency, scatterplots, linear relationships, owning and operating a vehicle, properties of polygons, transformations, trigonometry.

## MATHEMATICS ESSENTIALS 12

(graduation credit type, 1 credit, 110-hour course)

Mathematics Essentials 12 is a **graduation** credit type level high school mathematics course designed for students who do not intend to pursue post-secondary study.

It is recommended that students have successfully completed Mathematics Essentials 11 prior to enrolling in this course.

Students in Mathematics Essentials 12 will explore the following topics: measurement, ratio, rate, proportion, mathematics and career exploration, mathematics preparation for the workplace.

## MI'KMAW STUDIES 11

Mi'kmaq Studies 11 is a course that serves not only to highlight the Mi'kmaq experience, but also to provide opportunities for learners to gain an understanding how they are connected to the history and culture of the First Peoples of the Maritimes. The course incorporates an inquiry-based approach and examines broad concepts such as governance, culture, justice, spirituality, and education.

Students will analyse historical and contemporary Mi'kmaq issues, which enables them to achieve a greater understanding of, and respect for, both Mi'kmaq society and Mi'kmaq contributions to Canadian society.

**This course fulfills the Canadian History requirement for high school graduation.**

## MULTIMEDIA 12

Multimedia 12 provides students with an opportunity to work with collecting and recording electronic or digital images and sound. With these collected media, students will create and manipulate these sounds and images into multi-media projects that will reflect ideas and norms of 21st century society.

Students in this course will develop an understanding of the many different forms of expression available and use them to reflect their own experiences, ideas and opinions. A sense of artistic creativity as well as a basic understanding of computer technology would be an asset to students in this course.



At the completion of this course, students will have a basic portfolio of their work that can be used when applying for post-secondary programs.

The study of multimedia can lead to a broad range of occupations within the arts and communication disciplines and can also be applied across a broad range of other disciplines and occupations. Occupations include Animator, Communications designer, Graphic artist, Interface designer, Sound producer, Recording technologist, Software developer, Video editor and Website designer.

**This course fulfills the Technology requirement for high school graduation.**

## MUSIC 12

This course is a project-based music course. Through previous study in theory, history, ear training, composition and presentation, students will be expected to apply these skills to complete four to five major projects. A successful completion of Music 10 and 11 is strongly recommended as the level of performance and musical understanding required to successfully achieve the outcomes for music 12 is high.

This will include some use of technology for writing and recording. There will be a process portfolio kept throughout the creative process and many presentations given. There will be constant assessment by the teacher, your peers, and yourself as well. There will be a theoretical component that will involve several quizzes.

This course sets a foundation for students' efforts at organizing and presenting and will help to develop the intellect, creativity, and communication skills. It should help to prepare you for a life of music, either as a career or as an important part of your everyday life.

**This course fulfills the Fine Arts requirements for high school graduation. Please Note: Students can only receive one music credit per grade level towards graduation.**

## MUSIC INSTRUMENTAL BAND 12

Instrumental Music 12 is a continuation of Instrumental Music 11. Students interested in this course should have a minimum of 4 years experience playing a band instrument, be proficient in reading music and have a playing knowledge of all major and minor scales.

This performance-based course will focus on individual instrument technique, ear training, theory, composition/arranging conducting and music history. Through the study of traditional band literature, students will explore various styles, composers, arranging techniques and historical content.

More emphasis will be placed on individual performance at this grade level. Students will be expected to perform a minimum of 2 major solo works over the semester.

Composition and arranging will continue and conducting will also be introduced. Evaluation in this course will be based on individual/group performance testing, ear training, composition/arranging, ensemble work and short quizzes.

**This course fulfills the Fine Arts requirements for high school graduation. Please Note: Students can only receive one music credit per grade level towards graduation.**

## MUSIC VOCALS 12

This academic course teaches through choral singing. There will be a continuation of theory, ear training, and history from the grade 11 level taught through the thorough study of choral preparation and performance. There will be an emphasis on vocal health and technique, and singing musically within a choir.

Evaluations will include quizzes, chamber concert performances, technique testing, small group composition, conducting, projects and assignments.

If you find joy in singing, and have a background in music theory, and want to know more about you voice and music, then this course is for you.

**This course fulfills the Fine Arts requirements for high school graduation. Please Note: Students can only receive one music credit per grade level towards graduation.**

## MUSICAL THEATRE 12

Musical Theatre students will study the three components of musical theatre: singing, acting and movement, and explore artistic, cultural and societal connections in the musical theatre genre. Students will prepare and perform scenes and musical numbers from musical theatre productions ranging from the Golden Era to modern compositions. This work will culminate in an end-of-term public performance showcasing student growth throughout the term.

**This course fulfills the Fine Arts requirements for high school graduation. Please Note: Students can only receive one music credit per grade level towards graduation.**

## PHYSICAL EDUCATION LEADERSHIP 12

This course will develop leadership skills through experience in the context of outdoor and environmental education. Students will engage in a wide variety of outdoor experiences, including hiking, mountain biking, camping, rock climbing and canoeing, to develop personal skills in the pursuit of active and healthy lifestyles. Students will also receive Field Leader Certification through the Outdoor Council of Canada, a nationally recognized certification in Outdoor Leadership.

There will be a study of the history of outdoor leadership and some of the great leaders past and present. Students will have the opportunity to develop personal leadership skills in each of the outdoor pursuits modules. This course will require students to engage in regular physical activity both in the school and the outdoors.

**The course fulfills the Physical Education requirement for high school graduation.**

## PHYSICS 12

Physics 12 is a continuation of the Physics 11 course. We will advance our study from 1-dimensional problems to 2-dimensional problems. We will continue with Kinematics, Dynamics, Electricity and Magnetism, Nuclear Physics, and Modern Physics. We will study through in class problems, assignments, projects and laboratories.

This course requires that students have Physics 11 or Advanced Physics.

## PRE CALCULUS MATHEMATICS 12

(advanced credit type, 1 credit, 110-hour course)

Pre-calculus 12 is an **advanced** credit type high school mathematics course.

It is recommended that students have successfully completed Pre-calculus 11 prior to enrolling in this course.

Upon completion of Pre-calculus 12 students may choose to enroll in Calculus 12.

*Students in Pre-calculus 12 will explore the following topics:* transformations, radical functions, polynomial functions, trigonometry, exponential functions, logarithmic functions, rational functions, function operations, permutations, combinations, and the binomial theorem.

## **PSYCHOLOGY 12**

This course examines human behavior, thoughts and feelings. It is ideal for students interested in understanding themselves and others better. Psychology 12 mirrors the content of a first year college or university course.

Topics covered in Psychology 12 include: research techniques, states of consciousness, statistics, learning, neuroscience, mental disorders & treatments, developmental, and social-cultural issues. Students are expected to learn a significant amount of psychological terminology.

The course evaluation is based on unit tests, various assignments, individual and group presentations, research skills and critical thinking exercises.

## **RADIO BROADCASTING 12**

This program builds upon the audio and video knowledge acquired in RTV-11 and introduces the student to the artistic side of audio-visual. The emphasis in RTV-12 is on video production and the acquiring of working practical skills and theory required to produce professional quality video.

Students in RTV 12 will be responsible for the NNEC News production as well as digital journalism for school and community. This is an experiential based learning course. You may be required to work in broadcast outside of regular school hours. Students will be working together as members of a common workplace, students learn how to script and produce commercials, newscasts and learn to prepare their own programming / use production equipment. A section of time will also be devoted to photography and journalism.

## **SOCIOLOGY 12**

Sociology 12 is designed to introduce students to the scientific study of human society and interaction. The course is built around five units that provide a basic overview of the field of study:

Unit 1 - Sociology: A Social Science

Unit 2 - Culture: A Shared Human Experience

Unit 3 - Socialization: The Shaping of Human Behavior

Unit 4 - Social Organization: Living Together as Humans

Unit 5 - Social Control: Deviant and Conformist Behavior

The central focus is on providing students with a deeper understanding of the social groups and the society in which humans live, with a particular focus on a Canadian context.

The course provides students with an enhanced understanding of human behavior - their own and the others with whom they interact on a daily basis. While psychology is a social science that studies the individual, sociology is the social science that studies people as they

interact with others. This course would be beneficial for students who are interested in pursuing post secondary studies in human services, education, correctional/police services, etc. Evaluation in this course is based on assignments, tests, quizzes and projects.

## **VISUAL ARTS 12**

This academic course builds upon skills and knowledge from Visual Arts previous two years. The thrust of this course is imagination and creativity.

Students at this level should be self-motivated and serious in their desire to perform well. Independent study and work is encouraged. The course deals with art theory and history with an emphasis on modern art.

**This course fulfills the Fine Arts requirement for high school graduation.**